Supplementary Table S1. Questionnaire on Climatic Hazards and Climate Smart Agricultural Practices in the Southern Region of Bangladesh

Department of Agroforestry and Environmental Science
Sher-e-Bangla Agricultural University
Sher-e-Bangla Nagar, Dhaka-1207

A: Introduction to family

Sl. No: **Date :**

Name of Respondent: **Cell Phone No:**

1. Gender: Male   ☐   Female   ☐

2. Present age:.. Years

3. Please mention your marital status …………....................

4. Please mention your educational status

a) Can't read and write…………..........................

b) Can't read and write but can sign only…….............

c) I have passed class……….............

5. Family size

a) How many members are in your family members ....

b) Earning member (no.)…………….........

6. Occupation: (a) Unemployed (b) Agriculture (c) Rickshaw/Van Puller (d) Fishing (e) Small Business (Grocery etc.) (f) Handicraft (g) NGO Worker (h) Honey/Wood/Golpata Collector (i) Shrimp Fry Collector &Seller (j) Shrimp firm Worker (k) Driver (l) Boatman.

7. Income per Month: (a) <2000 tk (b) 2000-4000 (c) 4000-6000 (d) 6000-10000 (e) >10000

B: Information about climate change & climatic hazards
1. Have you informed of climate change? Yes................... No.....................

2. Where have you heard about climate change? Tick as many as you feel apply:

Television	☐	Government agencies/ information	☐
Radio	☐	Public libraries	☐
Newspaper	☐	Friends/ family	☐
Internet	☐	Other	☐
Specialist publications/academic journals			

School/ college/ university ☐ ☐

3. What type of climatic hazards do you face?

   1. Flood   2. Water logging   3. Strom   4. Heavy Rainfall   5. Salinity 6.Others

4. Perception of farmers about Climate Change events

Climatic Events	Extent of Changes			
	Low	Moderate	High	Do not know/Unchanged
Increased Temperature				
Unpredictable Rainfall				
Occurrence of Drought				
Increase of Soil Salinity level				
Occurrence of Flood				
Shorter Winter Season				
Longer Summer Season				

5. What types of cropping pattern prevailed in your locality about 15yeras ago?

Sl. No.	Rabi (Mid October to mid March)	Kharif I (Mid March to June)	Kharif II (July to mid October)
1.			
2.			
3.			

6. At present what types of cropping pattern prevail in your locality?

Sl. No.	Rabi (Mid October to mid March)	Kharif I (Mid March to June)	Kharif II (July to mid October)
1.			
2.			
3.			

7. Seasonal Hazard Calendar

5 Very high 4 High 3 Moderate 2 Low 1 Very Low 0 No Risk												
Hazard/Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cyclone & Storm												
Salinity												
Excessive Rainfall												

Scarcity of Rainfall														
Pest Attack														
Tidal Surge														
Waterlogging														
Riverbank Erosion														
Thunderstorm														
Windstorm														
Hailstorm														

C. Information about Climate Smart Agricultural (CSA) practices

1. Farmers Knowledge on Climate Smart Agricultural (CSA) practices

SI No.	Question	Yes	No
1.	Do you understand Climate Smart Agriculture?		
2.	Do you know any salt tolerant variety of rice?		
3.	Do you know sorjan method?		
4.	Do you know floating bed cultivation method?		
5.	Do you know rain water harvesting method?		
6.	Do you know how to prepare compost?		
7.	Do you know the benefits from urea deep placement?		
8.	Do you have any idea about crop rotation?		

2. Use of CSA technologies: Please mention the extent of your use of the following CSA technologies in the last three years (2020-2022) by putting tick (√) mark in appropriate column.

Sl no.	Dimensions	Items of CSA technologies	Never used (0)	Extent of use		
				Rarely (1)	Occasionally (2)	Frequently (3)
1	Flood/ Tidal surge	Floating cultivation				
2		Change in cropping pattern				
3		Cultivation of short duration varieties				
4		Homestead gardening				
5		Cultivation of late varieties				
6		Adjustment of planting time.				
7		Cultivation of flood tolerant varieties				
8		intercropping of grass pea(kheshari) with Aman				
9	Salinity	Rain water harvesting/Minipond for fresh water irrigation				
10		Raised bed or sarjan method of Cultivation				
11		Cultivation of saline tolerant variety				
12		Use of organic manure/compost to improve soil quality.				

13		Cultivation of watermelon				
14		Sunflower cultivation				
15		Felon cultivation				
16		Alternate wetting and drying				
17	Drought	Cultivation of drought tolerant varieties				
18		Dry seed bed for T aman rice				
19	High temperature	IPM practices				
20		Mulching practices for soil moisture conservation.				
21		Mixed cropping				
22		Perching.				

3. Benefit obtained from CSA: Please mention the extent of benefits obtained by using CSA practices

Sl No.	Items	Extent of benefits			
		Largely benefitted (3)	Moderate benefitted (2)	Low benefitted (1)	Not at all (0)
	Social benefits				
1	Development of organizational participation				
2	Increased extension contacts				
3	Development of leadership				
4	Increased social bonding				
	Economic benefits				
5	Increased family income				
6	Low production cost				
	Technical benefits				
7	Improved capacity on new technology implementation				
9	Increased crop production andproductivity				
10	Increased cropping intensity				
11	Increased crop yield				
	Psychological benefits				
12	Positive mental state to adopt new technology				
13	Positive attitude towards change in food habit				

4. Ranked order of the adaptation strategies

Adaptation strategies	Importance of your farm				Rank
	High	Medium	Low	No	
Saline tolerant crop varieties					
Flood tolerant crop varieties					
Drought resistant crop varieties					
Early variety of rice					
Vegetables in floating bed					
Sorjan method					
Pond side vegetable cultivation					
Watermelon cultivation					
Sunflower cultivation					
Plum cultivation					
Relay cropping					
Urea deep placement					
Organic fertilizer					
Mulching					
Use of pheromone trap					
Rainwater harvesting					
Seed storage					

5. Problems faced by farmers

Problems	Degree of problems			
	High (3)	Medium (2)	Low (1)	Not at All (0)
Lack of irrigation water				
Inadequate provision of sluice gate				
Unavailability of stress tolerant Varieties				
Declining soil fertility				
Unavailability of suitable technology				
Limited access to information				
Lack of relevant training facilities				
Lack of contact with extension agent				
Lack of quality seeds				

Thank you for your kind co-operation.

Signature of the interviewer
Date:

Supplementary Table S2. Data on the effects of climate change, as observed in different dimensions considering as flood, drought, salinity, etc.

Gender	Age	Marial status	Educational status	Family size		Occupation	Income per month	informed about climate change	Heard about climate change from	Perception of farmers about climate change				
				Family member	Earning Member					increased temparature	salinity	flood	unpredicatble rainfall	drought
1	2	1	1	1	1	2	1	1	5	2	3	2	3	1
1	4	1	3	1	2	4	4	1	1	2	3	2	3	1
1	5	1	2	1	1	5	1	1	1	4	3	2	3	1
1	4	1	3	3	2	2	4	1	5	2	3	2	2	1
1	2	1	1	2	2	2	4	1	5	1	3	2	3	2
1	4	1	2	2	1	2	2	1	5	3	2	2	3	2
2	2	1	3	2	3	2	4	1	5	2	2	1	1	1
2	2	1	3	2	3	2	4	1	3	3	2	2	2	2
2	4	1	2	2	1	2	1	1	4	1	3	1	2	1
1	3	1	1	2	4	2	4	1	6	3	3	2	3	2
1	5	1	2	2	2	2	4	1	4	4	2	2	3	1
1	3	1	2	2	2	5	4	1	3	2	2	2	3	1
2	5	1	3	2	2	6	4	1	5	3	2	2	3	2
2	4	1	3	2	2	6	4	1	4	1	2	1	1	2
2	5	1	2	2	2	5	4	1	3	4	3	3	3	1
2	2	1	3	2	2	2	4	2	4	3	2	3	3	1
2	3	1	1	1	2	5	4	2	3	2	3	2	3	1
1	4	1	1	2	2	4	4	2	4	3	2	2	2	2
2	2	1	2	2	2	6	4	2	1	1	3	2	3	1
2	3	1	1	2	3	5	4	2	1	3	2	3	3	1
2	4	1	3	1	2	4	4	1	1	2	3	1	1	2
2	4	1	3	2	2	6	4	1	3	3	2	3	3	1

2	2	1	3	2	3	5	4	1	6	2	3	2	3	1
2	3	1	3	2	2	4	4	1	4	2	3	3	3	2
2	3	1	3	1	3	6	4	1	4	3	2	2	3	1
2	2	1	3	2	2	2	4	1	3	3	2	3	2	2
2	1	2	3	2	3	2	4	1	4	3	2	2	3	1
2	3	1	3	2	1	2	1	1	4	3	2	2	3	2
2	2	2	3	1	1	2	2	1	4	3	3	2	3	2
2	4	1	3	2	1	2	3	1	2	3	3	3	3	1
2	1	2	3	2	2	6	4	1	1	3	3	3	2	2
2	2	1	3	2	1	6	2	1	5	3	2	2	2	1
2	3	1	3	1	1	2	1	1	5	3	2	2	2	1
2	5	1	3	2	1	9	3	1	5	4	1	4	4	4
1	1	2	1	2	2	10	4	1	3	3	2	3	2	2
2	3	1	3	1	1	2	2	1	2	3	3	3	3	1
2	4	1	3	1	1	2	2	1	5	3	3	3	3	2
2	5	1	3	2	2	2	4	1	5	3	2	2	2	1
1	1	1	3	2	1	2	1	1	1	2	2	3	2	1
1	2	1	3	2	4	2	4	1	1	2	3	2	2	2
1	3	1	3	2	2	2	4	1	6	3	2	2	3	1
1	2	1	3	2	1	10	2	1	5	2	3	3	2	1
1	2	1	3	2	1	2	3	1	2	2	2	2	3	2
1	1	2	3	2	2	2	4	1	4	3	3	1	1	2
1	4	1	3	2	2	6	4	1	6	3	3	3	2	1
1	3	1	3	2	4	6	4	1	1	3	3	2	3	1
1	5	1	2	1	1	2	3	1	3	3	3	3	3	1
1	3	1	1	2	2	2	4	1	5	3	2	2	3	2
1	3	1	3	1	1	6	2	1	1	3	2	2	2	2
2	2	1	2	2	2	2	4	1	2	3	2	2	3	1
2	4	1	3	2	1	2	3	1	1	2	3	1	1	2
2	1	2	1	1	2	6	4	1	5	3	3	2	3	3
1	1	2	3	3	1	2	4	1	1	2	3	2	3	1
1	1	1	2	2	1	2	1	1	4	2	2	2	3	2
2	3	2	3	1	2	2	4	1	2	3	3	2	3	1
2	2	1	1	3	1	6	4	1	4	2	2	2	3	1

2	4	1	3	2	1	2	2	1	5	2	3	2	2	1
1	3	1	3	1	2	9	4	1	2	3	2	2	3	1
1	5	1	3	2	1	4	2	2	4	3	2	3	3	1
2	3	1	1	2	2	2	4	2	4	3	2	3	3	1
2	4	1	1	1	2	2	4	2	5	3	2	3	3	2
2	1	2	3	2	1	4	4	2	4	2	2	2	3	2
2	5	1	3	2	2	2	2	2	4	3	3	2	2	2
2	3	1	3	1	2	2	4	1	4	3	2	2	3	3
2	2	1	3	2	1	2	3	1	4	2	3	3	3	2
2	4	1	3	2	4	2	2	1	1	3	2	2	2	1
2	1	1	3	2	2	6	4	1	1	1	4	4	3	4
2	3	1	1	3	1	2	3	1	1	3	1	3	3	2
2	2	1	3	1	2	2	4	1	2	3	2	3	2	2
2	3	2	3	2	1	2	1	1	3	3	3	2	3	2
2	6	1	2	2	1	2	3	1	1	4	1	3	1	1
1	4	1	3	2	2	2	2	2	2	1	1	4	3	3
2	2	1	1	3	1	2	3	2	1	2	2	2	3	2
2	1	1	3	2	1	2	4	2	3	3	2	2	2	2
2	3	1	3	2	2	2	2	2	4	3	2	3	3	1
1	6	2	3	2	1	2	1	1	5	4	4	1	1	1
2	2	2	1	1	1	2	4	1	5	3	3	2	3	3
2	3	2	3	2	1	2	1	1	1	3	2	3	3	2
2	4	1	3	3	1	2	2	2	4	1	2	3	3	1
1	1	1	3	1	2	9	4	1	4	3	3	2	3	2
2	3	1	3	2	4	6	4	2	5	3	3	2	3	1
2	2	1	1	2	2	2	4	1	1	3	3	3	2	1
2	4	1	3	1	1	2	3	1	4	1	3	1	1	2
1	3	1	2	2	1	2	1	1	5	3	2	2	3	1
2	5	1	3	2	2	2	4	1	4	4	4	2	2	3
2	1	2	3	1	1	2	4	1	4	3	2	2	3	1
2	2	1	1	2	2	2	4	2	4	3	3	2	2	2
1	3	1	2	2	4	2	4	2	5	3	2	2	3	1
2	5	1	3	2	1	2	4	2	4	4	4	2	3	2
2	3	1	3	1	2		4	2	4	2	3	2	3	1

2	6	1	3	3	2	6	4	1	4	4	1	2	3	2
2	2	1	1	3	1	6	4	1	4	3	2	3	2	2
2	3	1	3	3	2	2	4	1	4	2	2	2	2	2
2	6	1	3	1	2	6	4	2	5	3	2	2	2	4
1	6	1	3	3	1	2	3	1	4	3	3	2	2	2
2	2	1	3	2	2	4	4	2	4	2	3	2	3	1
1	3	1	2	3	2	2	4	2	4	3	3	2	3	2
1	2	1	3	1	1	10	4	2	4	2	3	3	3	2
1	1	2	2	2	2	2	4	2	5	2	2	2	2	1
1	3	1	3	2	1	2	3	1	4	3	3	2	2	1
1	3	1	3	2	2	2	4	1	6	2	2	2	3	2
1	2	1	2	3	2	2	4	1	4	3	3	2	3	2
1	5	1	3	1	1	2	1	1	4	3	3	2	3	2
1	1	2	3	2	3	2	4	1	6	2	3	3	2	1
1	2	1	3	2	2	5	4	1	4	3	2	2	3	2
1	3	1	3	3	2	5	4	1	4	3	3	2	2	3
1	3	1	2	2	3	9	4	1	5	3	2	2	2	2
1	3	2	3	1	2	2	4	1	4	3	3	4	4	1
1	1	1	3	2	2	2	4	1	6	2	3	3	3	1
2	2	2	3	3	1	5	1	1	4	3	1	2	3	1
2	3	1	3	2	1	2	4	1	6	3	1	2	2	2
2	2	1	3	1	2	2	4	1	4	3	1	3	2	1
1	3	1	2	2	2	2	4	1	5	3	2	1	1	3
1	6	1	3	3	3	2	4	2	4	4	1	4	4	1
2	1	2	3	2	1	2	3	1	4	2	2	1	1	3
2	3	1	3	2	3	5	4	1	6	2	2	3	2	3
2	3	1	3	2	2	2	4	1	4	3	3	1	2	2
2	2	1	3	3	2	9	4	1	5	2	2	1	1	1
2	2	1	3	3	2	2	4	2	4	2	1	3	2	2
1	1	2	3	1	1	2	3	1	6	3	2	2	1	1

Information about CSA								Flood and tidal surge				
understand csa	know salt tolerant variety	know sorjan method	know floating bed cultivation	know rain water harvesting	know how to prepare compost	urea deep placement	crop rotation	floating cultivation	change croppiing pattern	short duration varieties	homestead gardening	late varieties
1	1	1	1	2	1	2	1	2	3	3	3	2
1	1	1	1	2	1	2	1	2	3	3	3	2
2	1	1	1	2	1	2	1	2	3	3	3	2
2	1	1	1	2	1	2	1	3	3	3	3	2
1	1	1	1	2	1	2	1	2	3	3	3	2
1	1	1	1	2	1	2	1	2	2	3	2	2
2	1	1	2	2	1	2	1	1	3	3	3	2
1	1	1	1	1	1	2	1	2	2	3	2	2
1	1	1	1	2	1	2	2	1	3	2	3	2
1	1	1	1	2	1	2	1	2	2	2	2	1
1	2	1	1	1	1	2	2	3	2	2	2	0
2	1	1	1	2	1	2	1	3	1	2	3	0
2	1	1	1	1	1	1	2	3	2	3	2	1
1	1	2	2	2	1	2	1	3	2	3	3	0
1	2	1	2	2	1	1	2	2	3	1	0	1
1	1	1	2	2	1	2	1	3	2	3	3	0
1	1	1	2	2	1	2	2	2	2	1	2	3
1	1	1	2	1	1	1	1	3	2	2	3	2
1	1	1	1	1	1	1	2	3	2	2	2	1
1	1	1	1	2	1	1	2	3	3	2	2	2
1	1	1	1	2	1	1	2	2	2	2	2	3
1	1	1	1	1	1	2	2	3	3	1	3	2

1	1	1	1	2	1	2	1	2	2	3	0	2
1	1	1	2	2	1	2	2	3	3	2	2	2
1	1	1	2	1	1	2	2	2	2	3	1	2
1	1	1	2	1	1	2	1	3	3	0	1	1
1	1	2	1	1	1	2	1	2	2	2	2	1
2	1	1	1	1	1	2	1	3	2	2	2	1
1	1	1	1	1	1	2	1	3	2	2	2	1
1	1	1	1	1	1	2	1	1	2	2	2	3
1	1	2	1	2	2	2	1	0	2	2	2	3
1	1	1	1	2	2	2	1	1	1	3	3	3
1	1	1	1	2	2	2	1	3	1	3	3	3
1	2	1	1	1	2	1	1	2	2	3	3	2
1	1	1	2	1	2	2	1	2	1	3	3	2
1	1	1	1	2	1	1	1	2	1	2	3	2
1	1	1	2	1	1	2	1	2	2	1	1	1
1	2	1	1	2	2	1	1	0	2	2	2	2
1	1	2	2	1	1	2	2	2	3	1	2	1
2	1	1	1	2	2	1	1	1	3	1	2	2
1	1	1	2	1	1	2	2	0	1	1	2	2
2	1	1	1	2	2	1	1	0	1	2	0	1
1	1	1	2	2	1	2	2	0	3	2	3	1
1	1	1	1	2	2	2	2	2	3	2	3	1
1	1	1	2	2	1	2	2	3	2	3	3	1
1	1	2	2	2	2	2	2	0	1	2	3	3
2	2	2	2	1	1	2	2	0	3	2	2	3
1	1	1	2	2	2	2	1	0	3	2	3	2
1	2	1	1	1	1	1	2	3	2	2	1	3
1	2	1	1	1	2	2	1	2	2	0	1	0
1	1	1	1	1	1	1	2	2	2	0	2	2
1	1	1	1	1	2	2	1	2	1	1	1	1
1	1	1	1	1	1	1	2	1	2	0	3	0
2	1	1	1	2	1	2	1	1	3	1	1	3
1	1	2	1	1	1	2	2	2	2	0	2	2
1	2	1	1	2	1	2	1	1	3	3	2	2

2	1	1	1	1	1	2	2	2	3	1	1	2
1	1	1	1	2	1	2	1	3	2	0	2	2
2	1	2	2	2	1	2	1	3	3	3	0	2
1	2	2	1	2	1	2	1	3	2	2	1	2
1	1	1	2	2	1	2	1	2	2	2	2	3
1	1	1	1	2	1	1	1	1	1	3	1	1
1	1	1	2	2	1	1	2	1	2	2	1	1
1	1	1	1	2	1	2	2	0	1	0	2	2
1	1	1	2	1	1	1	2	2	1	1	3	1
1	2	1	1	2	1	1	2	1	2	0	1	1
1	2	1	1	1	1	2	2	1	3	1	1	1
1	1	1	1	2	1	2	1	1	2	0	2	1
1	1	1	1	1	1	2	2	1	1	2	3	1
1	1	1	1	2	1	2	1	1	1	2	3	2
1	2	1	1	2	1	2	2	0	2	3	3	1
1	2	1	2	2	1	2	1	0	2	3	3	1
1	1	1	2	2	1	2	2	0	3	3	3	1
1	1	1	2	2	1	2	1	1	3	2	2	1
1	1	1	1	1	1	1	2	2	0	1	3	2
1	2	1	2	1	2	1	2	3	0	0	3	1
2	1	1	2	1	1	1	2	2	2	1	2	2
2	1	1	1	1	2	1	1	2	0	2	3	1
1	1	1	2	1	1	2	1	2	3	2	0	2
1	1	1	1	1	2	1	1	1	2	3	0	1
1	1	2	2	1	1	2	2	2	0	3	1	2
1	1	2	1	1	2	1	2	0	2	3	3	1
2	1	1	2	2	1	2	2	2	3	3	3	2
1	1	1	1	2	2	2	2	3	0	3	2	1
1	2	2	2	1	1	2	2	2	2	2	2	2
2	1	2	2	2	2	2	2	0	2	2	3	2
1	1	2	2	1	2	2	2	1	2	1	2	2
1	1	1	1	2	1	2	1	2	2	1	2	1
1	2	2	1	1	1	2	2	1	3	2	2	2
2	1	1	1	2	2	2	1	0	3	3	3	1

2	2	2	2	1	1	2	1	1	3	2	2	1
1	1	1	1	2	2	2	2	1	0	2	2	1
2	1	2	2	1	2	1	1	1	1	2	3	2
1	2	1	1	1	1	2	2	2	2	2	2	2
1	2	1	1	1	2	1	1	0	0	2	2	1
2	1	1	1	1	1	2	2	2	3	2	2	2
2	1	1	1	1	1	1	2	1	3	2	1	1
1	1	2	1	1	2	2	2	0	2	2	2	2
1	1	1	1	1	1	1	2	1	0	1	1	3
2	1	2	1	2	2	2	2	2	1	2	0	3
1	1	1	1	2	1	1	1	0	1	3	0	2
2	1	1	1	2	1	2	1	1	2	3	2	0
2	2	2	2	1	1	2	1	3	2	3	1	0
1	1	1	2	2	1	2	1	2	3	0	1	2
1	1	2	1	1	1	2	2	2	0	3	2	3
1	1	2	2	2	1	1	1	2	0	0	3	0
1	1	2	1	1	1	2	2	2	3	3	3	0
2	1	2	2	2	1	2	1	1	2	3	3	0
1	1	1	1	2	2	2	1	2	0	0	3	1
2	1	1	1	2	1	1	1	0	1	0	2	0
2	1	1	1	2	1	1	2	3	2	2	3	2
1	1	1	1	2	1	1	2	3	3	2	3	1
1	1	1	1	2	2	1	2	2	2	1	3	2
1	2	1	1	2	1	1	2	3	2	3	2	3
2	1	1	1	2	1	2	2	1	2	2	2	1
1	1	1	2	1	1	1	1	2	2	0	1	2
1	1	1	1	2	1	2	2	0	2	2	1	3
2	1	1	1	2	1	1	1	1	2	3	1	2
1	1	1	1	1	2	2	1	2	2	2	2	0
2	1	1	1	2	1	1	2	2	2	1	3	0

flood tolerant varieties	mungbean /grasspea intercropping with aman	rain water harvesting	sorjan method	saline tolerant variety	om	sunflower cultivation	water melon cultivation	felon cultivation	alternate wetting and drying	drought tolerant varieties	dry seed bed for t aman	IPM practice
						Salinity				drought		
1	3	1	3	3	1	3	3	1	2	2	2	1
1	3	1	3	3	2	3	3	2	2	2	2	1
1	3	1	2	3	3	3	3	1	2	2	1	2
1	2	1	3	3	3	3	3	2	2	2	2	2
1	2	1	3	3	3	3	3	3	2	2	2	3
1	2	1	3	3	3	3	3	3	3	2	2	2
1	2	1	3	3	3	3	3	3	2	2	1	3
2	3	1	3	3	3	3	3	2	3	2	2	3
2	3	1	3	3	3	3	3	3	2	1	2	3
2	3	1	3	3	3	3	3	3	3	2	2	3
1	3	1	3	3	3	3	3	2	2	3	1	2
1	3	1	3	3	3	3	3	3	2	1	2	3
1	3	1	2	3	3	3	3	3	2	2	3	2
2	3	1	2	3	2	3	3	3	2	3	3	2
2	3	2	2	3	2	3	3	3	1	2	2	2
2	3	2	2	3	3	3	3	3	0	1	2	3
2	3	1	3	3	3	3	3	3	2	1	1	2
2	2	2	3	3	3	3	3	3	1	1	3	3
1	2	1	3	2	3	3	3	3	2	2	2	2
2	2	2	3	2	3	3	3	3	1	2	1	3
1	3	1	2	2	2	3	3	3	2	2	1	2
0	3	2	3	2	2	3	3	2	2	2	2	3

2	3	1	2	2	2	3	3	3	2	1	1	2
0	3	2	3	2	3	3	3	2	1	2	2	3
2	3	3	2	2	3	3	3	0	1	1	2	2
1	3	2	3	3	3	3	2	3	0	2	2	3
2	3	3	3	3	3	3	3	2	0	1	1	2
3	2	3	3	3	3	3	2	3	1	1	2	3
2	3	3	3	3	2	3	2	2	1	1	1	3
1	2	3	2	2	2	2	3	2	1	2	2	2
3	3	3	1	2	2	2	2	2	0	1	2	2
2	2	2	2	2	2	2	3	2	0	2	1	2
3	3	3	1	2	2	2	2	2	1	1	1	2
2	2	2	0	1	1	3	3	1	0	2	1	1
1	1	3	1	1	0	2	2	0	1	1	1	2
2	2	2	0	0	1	2	2	2	0	2	1	3
3	1	3	0	2	0	3	2	1	0	1	1	1
2	2	2	0	3	0	2	3	2	0	2	1	2
1	0	3	2	0	0	3	1	3	1	1	2	0
2	1	2	1	2	2	2	0	3	2	1	1	1
1	3	3	3	3	3	3	0	3	2	1	2	2
2	2	2	3	0	0	2	1	2	2	2	2	0
0	3	3	3	2	1	3	2	1	1	1	2	1
2	2	1	3	1	2	2	1	2	2	2	1	2
1	2	2	3	1	3	2	3	3	2	1	2	3
1	2	3	3	2	0	3	0	3	1	2	3	2
1	3	2	3	3	1	3	3	3	3	1	2	2
1	3	1	3	3	2	3	2	2	3	2	1	1
1	3	2	2	3	1	3	1	1	3	1	1	2
2	1	1	3	2	0	1	0	2	3	2	1	2
1	0	2	3	2	1	0	3	1	2	2	2	2
2	1	3	3	3	2	2	2	1	3	3	1	1
3	0	2	3	2	3	1	0	1	3	2	2	0
2	3	1	3	3	2	1	2	2	3	3	2	1
1	3	1	3	3	2	1	1	1	2	3	2	2
2	3	2	3	3	3	0	2	2	0	2	1	3

1	3	2	2	3	3	0	3	2	2	3	2	0
1	2	1	1	3	3	2	3	2	1	2	1	1
1	0	1	1	3	3	3	3	2	0	3	1	2
2	2	1	2	3	3	0	3	3	2	2	2	0
1	1	1	3	3	3	2	3	2	3	3	1	3
3	0	1	3	3	3	3	3	3	2	2	2	2
2	0	1	3	3	3	2	3	2	1	3	1	2
2	1	1	3	3	2	0	2	3	3	2	1	1
2	2	1	3	3	3	2	3	2	2	1	1	2
2	2	1	3	3	3	2	2	3	2	2	1	1
2	2	0	3	3	3	3	1	3	3	3	2	2
1	3	0	2	3	2	3	2	2	1	3	1	1
2	2	0	3	3	1	3	3	2	1	3	2	1
2	3	0	3	2	2	3	3	2	1	2	1	1
1	2	0	3	2	2	3	2	2	2	3	2	2
1	3	1	2	2	2	3	3	3	2	1	2	2
1	3	1	3	2	3	3	1	3	2	1	2	2
1	3	1	3	1	3	3	2	3	2	1	0	2
1	3	0	3	2	2	3	3	3	0	2	3	2
2	3	1	2	1	1	3	1	3	1	3	2	2
2	3	0	3	1	2	3	2	3	0	2	3	2
1	3	0	3	2	1	2	3	2	1	3	2	3
1	3	1	3	1	2	1	1	3	2	2	2	3
2	3	0	3	2	3	2	2	1	3	2	1	2
1	3	1	2	1	3	2	3	2	2	2	1	0
2	3	0	1	2	3	2	1	0	0	1	1	0
1	3	0	3	1	3	1	3	2	1	2	1	2
2	3	0	2	2	3	1	2	3	2	1	1	1
2	3	2	3	1	3	0	1	2	0	2	0	2
1	3	1	3	0	3	1	2	3	3	1	1	0
1	3	1	2	2	2	2	1	2	2	2	0	3
1	3	1	2	2	2	0	2	3	1	1	2	1
2	3	1	3	2	2	1	2	2	3	1	0	0
1	2	1	2	1	2	2	1	1	2	0	2	2

2	3	0	2	2	2	1	2	3	3	0	2	3
2	2	1	2	3	3	0	1	2	2	2	1	2
2	2	0	2	2	1	0	3	3	3	1	0	1
1	2	1	2	1	0	0	3	3	2	2	2	0
1	3	2	3	1	0	1	3	3	3	2	0	2
1	3	1	2	1	2	2	3	2	3	1	3	3
1	2	0	3	1	0	2	3	3	2	0	2	0
1	2	2	2	2	1	1	3	3	2	2	2	1
2	3	1	3	3	0	1	3	2	2	1	1	2
1	2	0	2	2	1	3	3	3	1	2	1	3
1	3	1	2	3	0	3	3	3	2	2	2	0
2	2	1	2	3	0	3	2	0	1	3	1	2
1	3	2	2	3	0	3	2	0	2	1	2	2
2	3	1	2	3	3	3	3	1	1	2	1	1
1	3	2	2	3	3	3	2	0	2	2	2	2
2	2	1	3	3	3	3	3	3	2	2	1	0
1	3	2	2	3	3	3	2	2	1	0	2	2
1	2	1	3	3	2	3	3	0	2	2	2	0
2	2	2	1	3	2	3	2	2	1	2	1	2
1	2	2	3	3	3	3	3	0	1	1	2	1
3	3	1	0	3	3	3	3	3	1	2	1	1
0	2	0	2	2	3	3	3	0	2	3	2	2
3	1	0	3	3	2	3	3	3	0	3	1	1
3	1	0	1	3	1	3	3	0	1	2	1	1
2	2	2	1	3	0	2	3	3	0	2	1	1
3	1	1	2	3	0	3	2	0	2	1	2	1
2	2	1	3	3	1	2	3	3	3	2	1	2
1	2	0	2	2	1	3	2	0	2	1	2	1
1	1	0	2	3	2	3	3	3	3	1	2	2
0	2	0	3	3	0	3	2	2	2	0	1	3

High temperature			Social benefits				Economic benefits		Technical benefits			
Mulching	Mixed cropping	perching	Development of organizational participation	Increased extension contact	Development of leadership	Increased social bonding	Increased family income	Llow production cost	Improved capacity on new tech implementation	Increased crop production and productivity	Increased cropping intensity	Increased crop yield
2	3	2	2	3	3	3	3	2	3	3	1	2
2	3	2	2	3	3	3	3	2	3	3	2	2
2	3	2	3	3	3	2	3	3	3	3	3	1
3	3	1	2	3	3	3	3	2	3	3	3	2
3	2	2	1	2	3	2	3	1	3	2	2	2
3	3	0	0	2	3	3	3	2	3	1	3	3
2	3	2	0	3	3	2	3	1	3	2	2	3
1	3	3	2	2	3	3	3	0	2	3	3	3
1	3	0	1	3	3	2	3	2	3	2	3	3
3	2	3	2	3	3	3	3	0	2	3	3	3
2	1	2	3	3	3	2	3	2	3	0	3	3
1	3	2	2	3	3	3	3	3	2	2	3	3
0	3	2	2	2	2	3	3	2	3	3	3	3
3	3	2	2	1	2	3	3	2	2	0	2	3
3	2	2	0	1	3	3	3	2	3	0	2	3
3	3	2	1	2	3	3	3	1	3	1	1	3
2	2	2	0	0	1	3	3	2	3	0	2	3
2	3	2	2	3	2	2	3	0	3	0	3	2
2	2	2	2	0	3	3	2	2	3	1	2	0
2	3	1	3	3	2	2	3	3	3	0	3	3
3	3	2	3	0	3	3	2	3	2	2	2	2
2	2	1	3	2	3	2	3	3	3	3	3	3

2	3	2	1	0	2	3	2	2	2	2	3	3
2	2	1	3	1	3	2	2	2	3	2	2	0
3	3	1	3	2	2	3	2	3	2	2	3	1
2	2	2	3	0	3	1	3	2	3	3	3	0
3	3	3	3	2	3	0	2	1	2	3	3	2
2	2	2	2	2	2	2	2	0	3	3	3	3
3	3	3	1	2	3	3	2	3	2	3	2	3
2	1	2	1	2	2	0	1	3	3	3	2	2
3	2	2	1	3	3	2	2	2	2	3	2	3
0	3	2	0	3	2	3	3	3	3	2	2	3
1	2	2	1	3	1	2	3	3	3	3	1	2
0	3	2	0	2	0	1	2	2	3	2	2	0
2	0	1	1	0	3	0	0	1	3	3	3	1
1	3	2	0	2	0	2	1	2	2	2	2	1
0	0	3	0	3	3	1	0	3	3	3	3	0
1	3	2	3	3	3	2	0	0	2	3	2	2
2	2	2	2	3	0	0	1	0	3	2	3	3
2	2	2	3	2	2	2	2	2	2	3	2	2
0	1	2	2	3	1	1	3	3	3	2	2	0
1	1	2	3	0	2	2	3	2	3	3	2	2
2	2	2	3	1	3	3	3	0	3	3	1	0
2	3	2	3	1	3	2	2	1	2	2	0	1
0	2	3	3	3	3	0	3	2	3	3	2	1
1	3	3	2	2	2	1	2	3	1	3	3	2
0	2	2	1	1	0	2	2	0	2	3	3	3
2	3	3	0	3	1	0	2	1	0	3	2	3
0	2	1	0	2	2	1	3	0	2	3	0	3
2	3	2	1	3	0	2	3	2	2	3	2	3
0	2	0	2	3	3	2	1	2	0	3	0	2
0	3	0	3	2	2	3	0	2	0	3	3	2
1	2	1	2	3	3	2	0	3	1	2	3	3
0	3	0	1	3	0	3	2	2	2	1	3	3
2	0	1	2	3	1	2	3	2	1	0	3	3
2	2	0	3	3	2	3	3	2	2	3	2	3

0	1	1	1	3	0	2	2	3	0	3	1	3
2	2	0	3	3	2	1	0	2	0	2	0	3
2	0	2	3	2	3	2	2	3	0	1	2	3
2	1	1	3	3	2	3	0	2	1	2	2	3
2	2	0	2	3	3	1	1	2	2	3	1	2
3	0	2	2	3	0	1	0	3	0	2	3	3
2	3	2	2	2	2	2	1	3	1	1	3	3
3	3	3	3	3	3	0	2	3	1	0	3	3
3	2	1	1	2	3	1	3	2	2	1	3	3
1	0	2	0	3	3	0	3	3	1	0	3	3
0	2	3	2	3	3	1	3	3	2	1	3	3
3	1	2	0	3	3	0	1	2	2	0	3	3
3	1	1	0	2	2	1	2	3	2	2	3	3
2	0	1	1	2	3	0	1	3	2	3	3	3
2	3	2	0	3	3	2	2	2	2	2	1	3
2	2	2	2	3	2	3	0	0	3	3	1	3
2	1	2	0	1	3	1	0	1	3	1	1	2
3	0	2	2	3	2	2	1	1	3	0	2	3
2	2	1	0	3	1	1	2	0	2	1	3	2
3	3	2	1	0	0	0	3	2	3	0	2	1
3	2	1	1	3	0	3	3	2	2	2	3	2
2	2	0	1	3	1	3	3	3	3	0	2	0
3	2	3	2	2	3	3	2	2	2	0	3	3
2	1	2	3	2	3	2	3	2	3	3	2	1
3	2	1	0	1	2	1	2	3	2	3	3	2
0	2	0	3	3	2	2	3	2	3	2	2	0
1	2	0	0	3	3	1	3	0	2	2	3	2
2	1	1	2	3	2	2	2	2	3	3	1	3
2	3	0	0	3	3	3	0	1	2	3	2	2
2	2	2	3	3	2	3	3	3	2	3	3	1
2	0	0	0	3	3	3	3	3	1	3	2	2
2	0	2	2	3	3	3	3	2	1	2	1	3
2	2	2	0	2	3	3	0	2	0	3	3	1
2	3	3	1	3	2	3	3	2	2	3	3	2

2	1	1	0	2	3	3	2	2	3	3	3	3
2	0	2	2	3	2	3	2	2	2	3	3	1
2	2	0	2	2	3	3	3	3	0	3	3	0
2	3	2	3	3	2	2	2	2	2	3	3	2
2	3	2	3	2	3	1	3	2	1	2	3	3
2	3	2	2	3	2	2	3	2	0	3	3	1
2	3	2	3	3	1	1	2	2	2	2	3	0
2	2	2	3	2	2	2	2	2	2	3	3	2
3	1	2	3	2	3	3	3	2	2	2	2	3
0	2	2	2	3	2	2	2	1	3	3	2	3
2	3	3	3	2	1	2	3	3	3	2	3	2
3	2	2	2	1	3	1	2	2	3	3	2	1
1	3	1	3	0	3	2	3	2	2	2	3	2
2	3	2	2	3	3	1	2	3	3	3	3	3
2	3	1	0	3	3	3	3	2	2	2	1	3
3	3	2	1	2	3	3	3	3	3	3	1	2
3	3	3	2	1	3	2	3	2	3	2	2	1
3	2	2	0	3	3	3	2	2	2	3	3	0
3	3	2	2	2	3	2	3	2	3	2	2	2
3	2	3	3	0	3	1	3	3	2	3	3	3
3	3	2	3	2	3	2	2	2	2	2	3	3
3	2	1	3	3	2	3	3	3	2	3	3	3
3	3	2	2	1	3	3	2	3	2	2	3	3
2	2	3	3	1	2	3	3	2	1	2	3	3
1	3	2	2	2	1	2	3	1	3	3	3	3
2	3	1	1	3	0	1	3	2	3	2	1	2
3	3	2	1	3	2	3	2	3	3	3	0	3
2	3	1	2	3	3	3	1	2	3	3	2	2
2	3	2	1	1	0	2	0	3	3	2	3	3
1	3	1	3	3	3	3	2	2	3	3	2	2

Positive mental state to adopt new tech	Positive attitude towards change in food habit	Saline tolerant crop varieties	Fllod tolerant crop varieties	Drought resistant crop varieties	Sorjan method	Watermelon cultivation	Sunflower cultivation	Early variety of rice	Relay cropping	Organic fertilizer	Mulching	Used of pheromone trap
2	1	3	1	3	2	3	3	2	0	3	1	0
2	2	3	2	3	3	3	3	1	2	3	3	2
2	2	3	2	3	3	3	3	2	2	1	3	1
1	2	3	1	3	2	3	3	0	3	2	2	3
3	2	3	2	1	2	3	3	0	1	1	3	3
2	1	3	3	2	3	3	3	3	2	3	3	3
1	0	3	3	3	3	3	2	2	1	3	3	2
0	3	3	3	3	2	3	3	3	3	2	1	1
3	0	3	3	1	3	2	3	3	1	0	2	3
2	1	3	0	3	3	3	3	2	2	3	2	3
1	0	3	2	3	1	2	1	1	3	3	1	1
2	0	3	1	2	1	3	3	3	1	3	3	2
3	1	3	3	0	2	3	2	3	3	3	0	1
3	3	3	3	3	3	3	3	2	0	2	0	3
3	2	3	1	1	3	3	1	1	3	3	1	3
2	3	2	2	3	3	3	2	3	0	1	3	0
2	2	3	0	3	3	2	3	3	3	3	0	2
0	1	3	3	0	3	3	3	2	0	3	3	3
0	2	2	3	2	3	3	2	1	3	3	0	3
0	3	3	0	0	3	3	1	3	1	2	1	3
3	1	3	2	3	3	2	2	1	3	0	3	0
3	0	3	0	3	3	3	2	2	0	3	0	0

3	0	3	2	1	3	3	2	3	0	0	1	3
2	3	3	1	1	1	2	3	2	3	1	1	3
2	3	3	1	2	2	2	3	3	1	3	3	2
1	3	3	2	2	3	3	3	3	3	2	2	3
1	3	3	1	2	3	3	3	3	3	1	1	3
2	2	3	1	1	3	3	2	3	3	3	3	3
2	0	2	3	1	3	2	2	3	3	2	1	2
3	1	2	3	1	3	3	3	3	3	1	3	1
0	0	3	2	1	3	3	3	3	1	2	1	3
0	2	3	0	0	2	3	3	3	2	0	0	3
3	1	1	3	1	0	3	3	3	1	3	3	3
1	2	3	3	3	3	3	3	3	2	3	0	2
1	0	2	2	3	3	3	1	2	1	3	0	0
0	1	3	1	0	2	2	2	3	2	3	3	3
3	2	3	3	3	1	3	3	3	2	3	1	3
2	0	2	3	2	3	3	3	1	0	1	3	3
1	1	0	3	3	3	2	3	0	1	2	3	0
3	2	3	3	1	2	3	1	2	2	3	1	3
3	0	3	0	0	0	2	2	3	3	1	0	3
3	2	2	2	3	3	3	3	3	2	3	3	3
2	2	3	3	1	3	2	1	3	3	0	0	0
3	2	2	3	1	3	3	2	2	1	3	0	2
3	0	3	1	3	2	2	2	3	3	2	3	3
3	0	1	2	3	3	3	3	2	2	3	1	3
3	1	3	3	3	2	3	3	3	1	1	3	3
3	2	3	3	3	3	3	3	1	3	2	0	3
3	0	3	2	3	2	3	3	1	1	3	3	1
3	2	3	0	0	3	3	3	3	1	2	3	2
3	2	2	3	1	2	3	3	0	3	3	3	1
3	2	3	3	2	3	2	3	1	0	3	3	2
3	2	3	2	3	0	3	3	3	1	3	3	1
2	2	2	3	2	3	3	3	1	3	3	0	2
0	3	3	3	3	3	1	3	0	0	3	0	3
1	3	3	1	3	3	1	3	3	2	3	3	3

3	3	3	3	3	3	3	0	2	2	3	0	0
2	3	1	0	0	3	3	2	3	3	1	0	3
3	2	0	3	3	3	3	3	2	0	3	3	3
0	3	2	2	0	2	3	1	1	3	3	1	3
1	3	2	3	3	3	2	3	3	0	2	3	2
3	3	2	1	0	3	0	2	3	1	1	0	2
2	2	3	3	3	1	3	3	3	1	3	1	1
3	3	3	2	1	3	1	2	3	1	3	3	3
2	2	3	3	3	2	3	3	3	1	2	1	3
0	3	2	3	0	3	3	2	3	1	3	3	3
3	3	3	3	3	3	3	3	3	2	2	3	0
0	2	2	3	3	3	3	2	3	3	3	3	3
2	2	3	1	3	1	2	3	3	1	2	3	3
3	1	3	3	2	3	3	2	2	3	2	3	3
3	1	2	3	0	3	1	3	2	2	3	1	3
3	0	3	2	3	0	3	3	3	3	2	1	2
3	0	3	3	3	0	1	1	3	0	3	3	2
3	3	3	3	1	3	3	1	3	2	2	3	1
2	2	2	1	1	3	2	3	0	3	3	1	1
3	3	3	2	3	1	3	3	2	1	3	0	0
2	0	3	3	3	3	3	3	3	3	3	3	1
3	0	3	0	2	3	3	3	3	3	3	3	1
3	2	3	3	3	3	3	3	2	2	3	2	1
2	3	2	2	2	2	3	3	3	3	3	0	3
2	2	1	3	3	3	3	2	1	3	2	3	1
3	3	2	3	0	3	3	0	3	1	2	3	1
1	3	2	3	3	1	3	3	1	3	3	0	0
3	3	0	3	0	3	3	2	3	3	3	0	1
2	2	0	2	3	3	3	3	1	3	1	3	3
2	3	2	2	1	3	3	3	3	3	3	3	1
3	2	2	3	3	2	3	3	3	0	2	1	1
2	1	3	3	3	3	3	1	3	3	2	0	0
3	2	2	2	3	3	3	3	3	0	0	3	3
3	3	3	3	1	3	3	2	3	0	0	3	3

2	3	3	3	2	2	2	3	1	3	1	1	1
1	0	3	2	3	0	3	1	3	0	1	2	1
2	3	3	3	3	0	3	3	3	3	1	3	1
3	2	3	3	2	3	2	2	2	1	0	3	1
3	2	3	3	3	1	1	3	3	1	1	1	1
3	2	3	1	3	3	3	1	1	3	0	0	1
0	2	2	2	2	1	3	3	3	3	1	3	1
3	3	3	3	1	3	1	2	1	0	1	3	1
3	0	2	3	3	2	2	3	3	3	3	3	1
2	1	3	1	3	3	0	3	0	3	1	0	0
2	0	1	1	3	1	3	3	3	1	1	2	1
3	0	3	3	3	3	3	3	0	0	3	1	0
2	2	0	3	3	2	2	3	3	3	0	2	3
2	3	2	0	3	3	2	3	3	3	0	1	3
3	2	3	1	0	0	3	3	3	3	0	2	1
2	0	3	3	3	3	1	2	3	0	1	0	1
3	3	3	3	0	3	3	1	3	0	0	2	0
2	3	3	1	0	3	2	3	3	1	1	2	3
2	1	3	1	2	3	2	1	0	1	3	2	3
3	3	3	3	3	3	3	3	3	3	0	1	0
0	3	2	0	2	0	1	3	3	0	0	1	0
0	3	0	1	1	3	3	3	0	3	3	0	1
3	3	1	3	3	3	1	0	3	0	1	0	0
0	2	3	3	2	1	1	3	1	1	1	2	1
2	2	3	3	3	3	3	3	3	3	0	1	0
0	2	2	3	1	3	3	3	1	3	0	0	0
0	0	3	0	2	1	3	3	3	1	3	0	1
1	2	3	1	2	3	0	3	3	3	1	2	1
2	1	2	0	1	1	0	1	3	3	3	1	1
3	3	3	0	0	1	1	3	3	1	0	0	1

	Rain water harvesting	Scarcity of irrigation water	Unavaiability of stress tolerant varieties	Unavailabilty of suitable technology	Declining soil fertility	Increasing water and salinity	Limited access to information	Lack contact with extension agent	Lack of quality seeds	Lack of relevant training facilities
Problems										
3	1	3	3	1	3	3	1	3	1	2
3	1	3	3	0	2	3	0	1	1	2
2	0	3	3	3	2	3	3	1	1	2
3	0	3	3	3	3	3	1	1	3	2
3	0	3	3	1	3	3	3	3	1	2
2	3	3	3	3	2	3	2	1	3	2
2	3	3	3	3	2	3	2	1	3	2
3	0	3	3	1	3	3	2	3	0	1
2	1	3	3	2	3	3	1	3	0	0
3	3	3	2	3	3	3	1	2	0	1
2	0	3	2	3	3	3	2	2	0	1
2	0	3	2	2	3	3	2	3	1	3
3	1	3	3	3	3	3	1	2	0	2
2	1	3	2	3	3	2	3	2	2	2
3	0	3	3	1	1	2	3	2	2	3
3	0	3	2	2	2	3	2	3	1	1
3	0	3	3	3	3	2	3	2	0	0
3	1	3	2	3	3	3	1	1	2	3
3	3	3	3	2	2	3	3	2	2	3
3	1	3	1	1	3	2	3	1	2	1
2	0	2	3	3	3	3	0	1	2	2
2	3	3	2	3	3	2	3	0	1	0

3	0	2	0	3	2	3	0	2	0	0
2	0	3	3	3	2	3	3	0	2	3
2	3	2	3	1	3	3	2	2	2	3
3	1	3	3	1	3	3	2	3	1	0
3	3	2	3	2	3	2	3	1	0	1
2	1	2	3	1	3	2	3	3	1	0
3	1	2	3	1	1	3	3	0	0	3
3	0	3	3	2	3	3	1	0	0	0
2	1	3	2	0	3	3	2	3	0	3
1	1	3	0	3	2	3	2	2	0	0
3	0	3	3	3	3	3	3	1	1	1
3	3	3	3	1	2	3	3	3	1	2
2	0	3	2	2	3	3	1	1	0	2
3	2	3	2	0	2	1	0	0	0	3
2	3	3	3	3	3	3	3	0	1	2
3	0	3	3	3	2	3	3	3	3	3
2	3	3	2	1	3	1	0	1	1	2
3	2	3	2	1	3	3	1	2	2	2
2	1	3	3	0	3	1	3	3	2	3
3	1	2	3	3	3	3	3	2	1	1
3	3	3	2	3	3	2	0	0	1	2
3	0	1	2	0	3	3	3	3	0	3
3	3	3	2	1	3	0	0	0	2	2
3	2	1	3	2	3	1	3	0	3	2
3	1	3	3	3	3	3	1	0	1	1
3	2	3	1	3	3	3	1	1	1	1
2	0	2	3	3	3	3	2	0	1	2
3	2	2	3	3	0	3	2	2	3	2
3	2	2	1	3	3	3	2	0	1	0
2	3	3	1	2	3	3	3	1	0	0
3	1	3	3	1	2	3	3	1	0	1
3	1	3	3	3	3	3	1	2	0	0
2	3	3	2	3	3	2	1	2	1	1
2	0	3	2	0	1	3	3	2	2	0

3	2	3	3	2	3	3	3	0	2	1
3	3	3	3	3	1	2	2	3	1	0
3	1	3	3	3	0	3	1	2	2	1
3	2	3	3	2	3	3	3	2	1	1
3	3	3	3	1	3	2	2	1	2	1
3	3	3	3	3	3	2	1	1	2	1
2	1	3	3	3	2	3	3	2	2	1
2	2	3	3	1	2	3	1	2	2	0
3	0	3	0	1	3	2	1	0	2	2
2	3	3	3	3	3	3	0	0	1	2
2	2	3	2	3	0	2	3	1	0	1
3	3	3	3	3	1	3	1	0	2	2
0	3	3	1	1	3	2	3	1	1	2
3	1	3	3	3	3	3	3	0	1	1
1	2	3	3	1	3	2	1	3	0	1
3	3	3	3	3	3	3	2	2	2	2
0	3	3	3	2	1	1	1	2	2	3
3	1	3	3	3	3	0	3	3	0	0
2	0	3	3	1	3	3	3	0	1	3
3	2	3	1	3	3	3	0	2	1	3
0	2	3	2	1	3	3	0	0	1	0
3	1	3	3	3	0	3	3	3	0	0
1	2	3	2	3	1	3	1	1	1	1
1	1	3	3	3	3	3	0	1	1	2
3	2	3	3	3	3	3	3	0	1	2
0	2	3	3	3	2	3	3	0	1	1
3	0	3	1	2	3	0	2	2	0	1
3	0	3	2	3	3	3	0	2	1	2
3	0	3	3	3	1	1	0	0	0	2
3	1	2	3	1	3	3	2	1	1	3
3	1	2	3	3	3	2	2	3	3	1
3	0	2	3	1	3	3	2	2	3	3
1	1	3	3	3	3	2	1	1	1	2
1	0	2	2	3	3	3	2	3	1	2

1	0	3	1	2	3	3	1	2	0	1
3	1	2	3	2	3	3	0	2	3	1
1	0	3	3	0	2	3	1	3	0	1
1	0	3	3	1	3	3	0	1	2	1
3	0	3	1	0	3	3	1	1	1	2
0	3	3	3	1	3	3	0	0	1	2
3	3	0	3	1	1	2	3	0	1	2
1	0	3	3	0	3	3	2	0	0	1
3	0	1	2	2	1	2	2	1	0	1
0	0	3	2	0	3	3	1	2	1	0
3	1	3	3	2	2	3	2	0	1	2
3	0	3	3	1	3	3	2	0	2	0
3	1	3	3	1	2	3	1	1	1	1
0	0	3	3	3	2	2	2	1	3	0
3	1	3	2	2	2	1	1	1	0	0
1	1	3	3	0	0	3	3	0	0	0
1	3	3	3	1	2	3	0	0	1	1
1	0	3	3	1	2	2	3	1	3	0
1	3	3	2	2	1	3	0	0	1	1
3	0	3	3	2	1	2	0	1	1	2
0	0	3	1	1	2	3	1	0	2	2
1	3	2	3	0	0	2	1	1	2	2
1	1	3	3	3	1	3	2	1	0	1
3	3	3	0	1	2	1	0	1	1	2
1	1	1	0	2	2	3	1	1	3	1
0	1	1	1	3	1	2	0	1	2	0
3	3	2	2	2	2	3	0	1	1	0
1	0	3	2	1	2	2	2	1	2	1
1	0	3	2	1	0	2	0	1	1	0
1	3	3	2	3	2	1	0	0	1	2