Two layers

Ist layer-36 neurons, 2nd layer-21 neurons

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | D | G | M | Z | H | P | R | X | Y | E | F | N | K | S | Q | T |
| A | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  | 5 |  |  |
| Z |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |
| P |  |  | 5 |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
| R |  |  |  |  | 12 |  |  |  |  |  |  |  |  | 8 |  |  |  |  |
| X |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| Y | 7 |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  | 8 |  |
| E |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| F |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| N |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |
| Q |  | 10 |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |
| T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |

1st layer-45 2nd layer-21

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | D | G | M | Z | H | P | R | X | Y | E | F | N | K | S | Q | T |
| A | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  | 8 |  |  |  |  |  |  |  |  | 7 |  | 5 |  |  |
| Z | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |
| P |  |  | 5 |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
| R |  |  |  |  | 14 |  |  |  |  |  |  |  |  | 6 |  |  |  |  |
| X |  |  |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  | 11 |
| Y | 7 |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  | 8 |  |
| E |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| F |  |  |  |  |  |  |  |  |  | 12 |  | 8 |  |  |  |  |  |  |
| N |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |
| Q |  | 10 |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |
| T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |

1st layer-52 2nd layer-35

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | D | G | M | Z | H | P | R | X | Y | E | F | N | K | S | Q | T |
| A | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Z | 17 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |
| P |  |  | 5 |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
| R |  |  |  |  | 12 |  |  |  |  |  |  |  |  | 8 |  |  |  |  |
| X |  |  |  |  |  |  |  |  |  | 13 |  |  | 7 |  |  |  |  |  |
| Y | 2 |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  | 9 |  |
| E |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| F |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |
| N |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |
| Q |  | 14 |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |
| T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |

1st layer – 52 2nd layer-45

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | D | G | M | Z | H | P | R | X | Y | E | F | N | K | S | Q | T |
| A | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Z |  |  |  |  |  | 14 | 6 |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |
| P |  |  | 2 |  |  |  |  | 18 |  |  |  |  |  |  |  |  |  |  |
| R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |
| X |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| Y |  |  |  |  | 12 | 8 |  |  |  |  |  |  |  |  |  |  | 8 |  |
| E |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| F |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |
| N |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  | 10 |  |  |
| K |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |  |
| S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |
| Q |  | 5 |  |  |  |  |  |  |  |  | 15 |  |  |  |  |  |  |  |
| T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |