|  |  |  |
| --- | --- | --- |
| destinations | degree |  |
| B,D,C | 3 | A |
| A,D | 2 | B |
| E | 1 | C |
| B,C | 2 | D |
|  | 0 | E |

For figure 5.4

|  |
| --- |
| V'\_1 |
| V'\_2 |
| V'\_3 |
| V'\_4 |
| V'\_5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| M\_15 | M\_14 | M\_13 | M\_12 | M\_11 |
| M\_25 | M\_24 | M\_23 | M\_22 | M\_21 |
| M\_35 | M\_34 | M\_33 | M\_32 | M\_31 |
| M\_45 | M\_44 | M\_43 | M\_42 | M\_41 |
| M\_55 | M\_54 | M\_53 | M\_52 | M\_51 |

|  |
| --- |
| V\_1 |
| V\_2 |
| V\_3 |
| V\_4 |
| V\_5 |

We have 25 map tasks which everyone represented one square M\_ij and stripe of V if use combiner and multiply them in map tasks we save as data is passed from the map tasks to the map reduce.

For figure 5.7

|  |  |  |
| --- | --- | --- |
| DESTINATIONS | DEGREE |  |
| A,B,C | 3 | A |
| A,C | 2 | B |
| B,C | 2 | C |