|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vertex | T | U | V | W | X | Y | Z |
| T | \* | 2 | 4 | - | - | - | - |
| U | \* | \* | 4 | 5 | - | - | - |
| V | \* | \* | \* | 5 | 7 | 12 | - |
| W | \* | \* | \* | \* | 7 | 12 | - |
| X | \* | \* | \* | \* | \* | 12 | 8 |
| Z | \* | \* | \* | \* | \* | 12 | \* |

Exercise 10

Find the shortest path from vertex **\*\*t\*\***

find the shortest path from vertex **\*\*x\*\***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vertex | T | U | V | W | X | Y | Z |
| X | - | - | 3 | 6 | \* | 6 | 8 |
| V | 7 | 6 | \* | 6 | \* | 6 | 8 |
| W | 7 | 6 | \* | \* | \* | 6 | 8 |
| Y | 7 | 6 | \* | \* | \* | \* | 8 |
| U | 7 | \* | \* | \* | \* | \* | 8 |
| T | \* | \* | \* | \* | \* | \* | 8 |