（1）W->R (step6 and step7)

|  |  |
| --- | --- |
| T1 | T2 |
|  | R(X) |
|  | R(Y) |
|  | W(Y) |
|  | R(X) |
|  | R(Y) |
|  | W(X) |
| R(X) |  |
| R(Y) |  |
| W(X) |  |
|  | R(Z) |
|  | W(Z) |

（2）R->W (step1 and step9)

|  |  |
| --- | --- |
| T1 | T2 |
|  | R(X) |
|  | R(Y) |
|  | W(Y) |
|  | R(X) |
|  | R(Y) |
|  | W(X) |
| R(X) |  |
| R(Y) |  |
| W(X) |  |
|  | R(Z) |
|  | W(Z) |

（3）W->W (step6 and step9)

|  |  |
| --- | --- |
| T1 | T2 |
|  | R(X) |
|  | R(Y) |
|  | W(Y) |
|  | R(X) |
|  | R(Y) |
|  | W(X) |
| R(X) |  |
| R(Y) |  |
| W(X) |  |
|  | R(Z) |
|  | W(Z) |

This transaction complete all three conflicts，and I indicate which step has required conflict.