|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Variable | | | | | | | |
|  | A | | size | | swapped | | i | |
| # ligne | c-use | p-use | c-use | p-use | c-use | p-use | c-use | p-use |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  | x | x |  |  | x | x |
| 10 |  | x |  |  |  |  | x |  |
| 11 | x |  |  |  |  |  | x |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  | x |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  | x |  |  |  | x | x |
| 17 |  | x |  |  |  |  | x |  |
| 18 | x |  |  |  |  |  | x |  |
| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  | x |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Variable | | | | | |
|  | i | | j | | T | |
| # ligne | c-use | p-use | c-use | p-use | c-use | p-use |
| 1 |  |  |  |  |  |  |
| 2 | x |  |  |  |  |  |
| 3 |  |  | x |  |  |  |
| 4 |  |  |  |  | X |  |

CHEMIN DEF-USE:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Définition | 5 | 6 | 8 | 9 | 11 | 12 | 15 | 16 | 18 | 19 |
| A | {10, 11} |  |  |  | {10, 11, 17, 18} |  |  |  | {10, 11, 17, 18} |  |
| size | {9, 16} |  |  |  |  |  |  |  |  |  |
| swapped |  | {} | {13} |  |  | {13} | {20} |  |  | {20} |
| i |  | {} |  | {9, 10, 11} |  |  |  | {16, 17, 18} |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Définition | 1 | 2 | 3 | 4 |
| i | {2} |  | {} |  |
| j | {3} |  |  | {} |
| t |  | {4} |  |  |

**Q1.4 (4 points)** Pour un vecteur A de quatre cellules ou moins (i.e., size <=4) donnez les valeurs de size et A[] pour couvrir le critère all-uses. Pour chaque valeur de size et de A[] précisez la/les  
définition-use couverte(s). Les données doivent être spécifiées dans le tableau suivant :

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cas du test** | **size** | **A[0]** | **A[1]** | **A[2]** | **A[3]** | **DU couverte** | | | |
| A | size | swapped | i |
| T1 | 4 | 4 | 3 | 2 | 1 | <5,10>  <5,11>  <11,10>  <11,11>  <11,17>  <11,18>  <18,10>  <18,11>  <18,17>  <18,18> | <5,9>  <5,16> | <12,13>  <15,20>  <19,20> | <9,9>  <9,10>  <9,11>  <16,16>  <16,17>  <16,18> |
| T2 | 1 | 1 |  |  |  |  | <5,9> | <8,13> |  |
| T3 |  |  |  |  |  |  |  |  |  |
| T4 |  |  |  |  |  |  |  |  |  |

SOLUTION

Erreur : ligne 9 – i < size - 1

Erreur : ligne 16 – i = size – 1

Erreur : ligne 16 - i >= 0



**QUESTION VRAI / FAUX :**



NON



NON



NON





NON



