|  |  |  |  |
| --- | --- | --- | --- |
| i > 7 | | x = 8 | |
| i <= 7 | | x = 0 | |
| i % 2 == 0 | pieces[(i+1)%8 + x] == currentState | | | | i % 8 == 0 | pieces[7+x] == currentState | mill[0] = i;  mill[1] = i+1;  mill[2] = 7 + x |
|  | | | |  | pieces[7+x]!= currentState | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |
|  | | | | i % 8 != 0 | pieces[(i-1)%8 + x] == currentState | mill[0] = i;  mill[1] = i+1;  mill[2] = i-1 |
|  | | | |  | pieces[(i-1)%8 + x] != currentState | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |
| pieces[(i+1)%8 + x] != currentState | | | | | | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |
| i % 2 != 0 | pieces[(i+1)%8 +x] == currentState | | pieces[(i+2)%8+x] ==currentState | | | | mill[0] = i;  mill[1] = i+1;  mill[2] = i+2; |
|  | | pieces[(i+2)%8+x] !=currentState | | i % 8 == 1 | pieces[7 + x] == currentState | mill[0] = i;  mill[1] = i-1;  mill[2] = 7+x |
|  | |  | |  | pieces[7 + x] != currentState | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |
|  | |  | | i % 8 != 1 | pieces[(i-2)%8 + x] == currentState | mill[0] = i;  mill[1] = i-1;  mill[2] i - 2 |
|  | |  | |  | pieces[(i-2)%8 + x] != currentState | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |
| pieces[(i+1)%8 +x] != currentState | | | | | | mill[0] = -1;  mill[1] = -1;  mill[2] = -1; |

Table 3: millExists() tabular expression