The issue is like passing variables through a function, where a pass-by-value creates a local copy of the variable in the function, while a pass-by-reference copies the pointer to the variable, essentially connecting the function directly to the variable.

```
matrix_mul_row
hfani@bravo:~/lab09$ ./matrix_mul_row 2 3
Enter the matrix elements:
A[0,0] = 1
A[0,1] = 2
A[1,0] = 4
A[1,1] = 5
A[1,2] = 6
Enter a number:2
child0 PID: 4098201
  * A[0,0] = 2
2 * A[0,1] = 4
2 * A[0,2] = 6
childl PID: 4098202
 * A[1,0] = 8
* A[1,1] = 10
  * A[1,2] = 12
Final matrix elements:
A[0,0] = 1
A[0,1] = 2
A[0,2] = 3
A[1,0] = 4
A[1,1] = 5
```

From the example in the instructions, the yellow boxes (child programs) work on copies of the parent, so 2 \* A[0,0] is saved in the matrix in the child, but the matrix in the parent is unaffected. Hence, A[0,0] is still 1 in the parent matrix from start to finish.