# Princeton University
# COS 217: Introduction to Programming Systems
# Trace of testforkwait

```
% gcc217 testforkwait.c -o testforkwait
```

# Princeton University
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```
% ./testforkwait
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```
7275
int main(void)
{
   pid_t iPid;
   int i;
   printf("%d parent\n",
      (int)getPid());
   fflush(stdin);
   fflush(stdout);
   iPid = fork();
   if (iPid == 0)
   {  for (i = 0; i < 10; i++)
         printf("%d child %d\n",
            (int)getPid(), i);
      exit(0);
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   wait(NULL);
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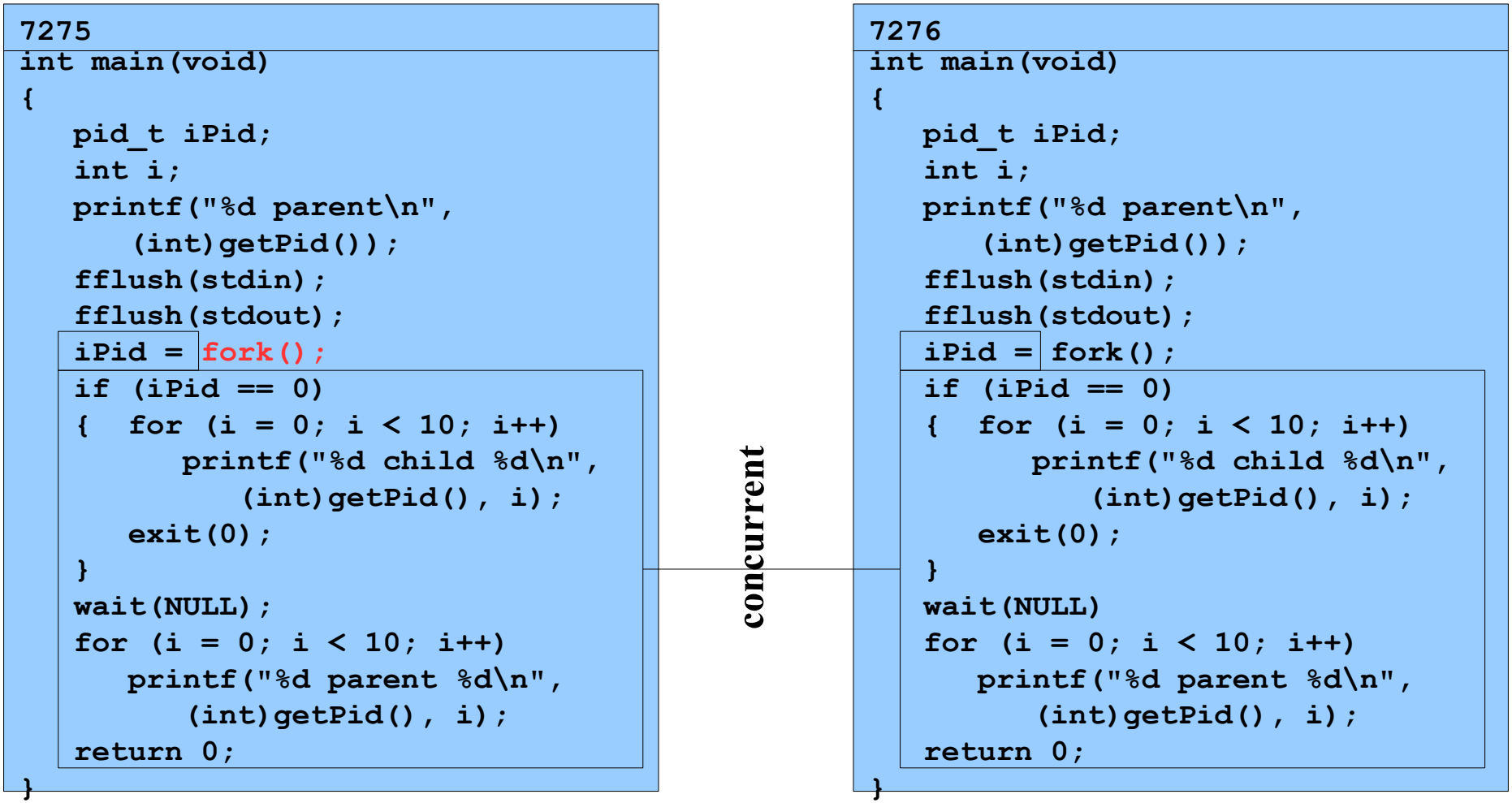




**Assume OS gives CPU to parent**

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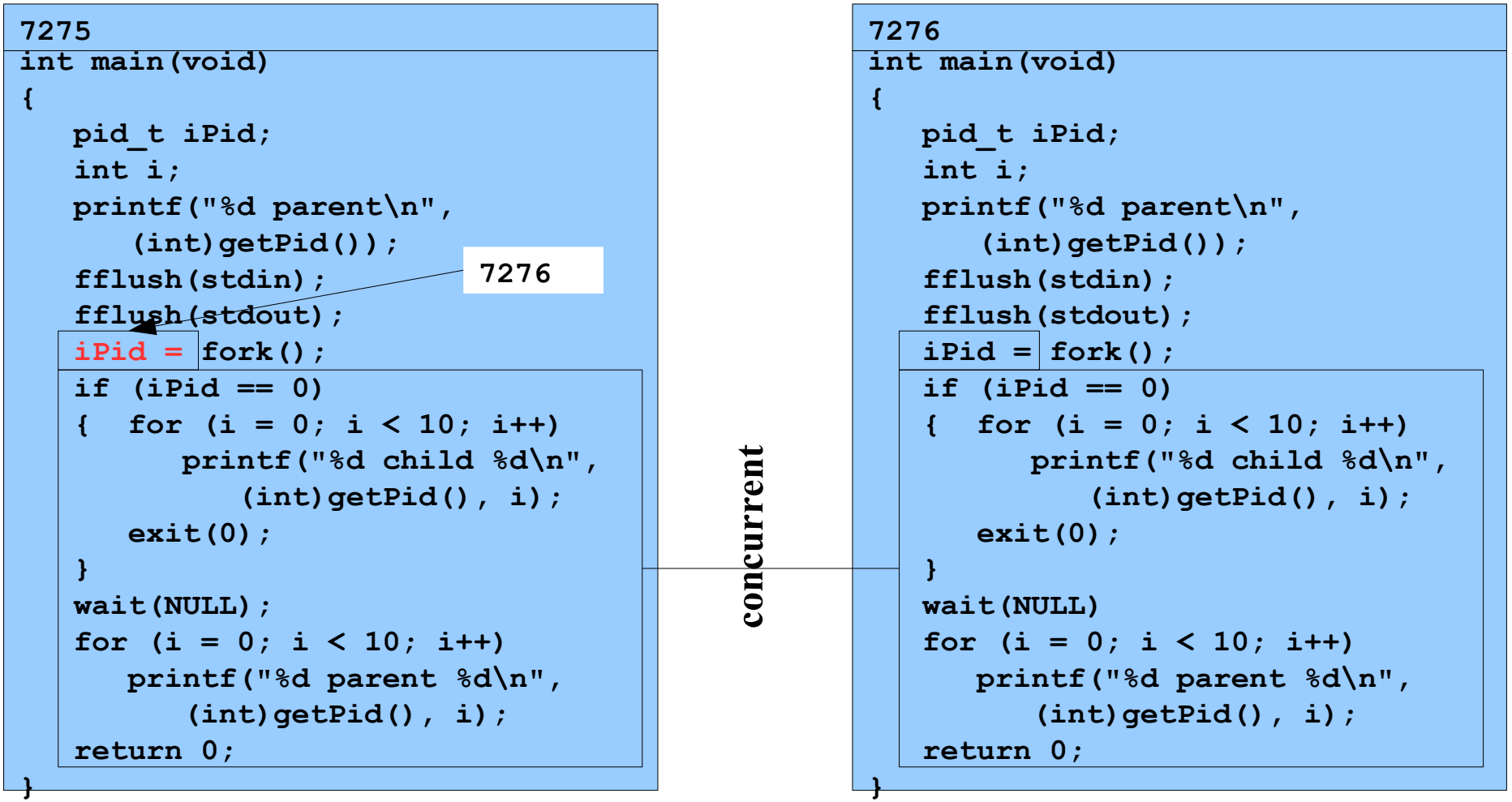




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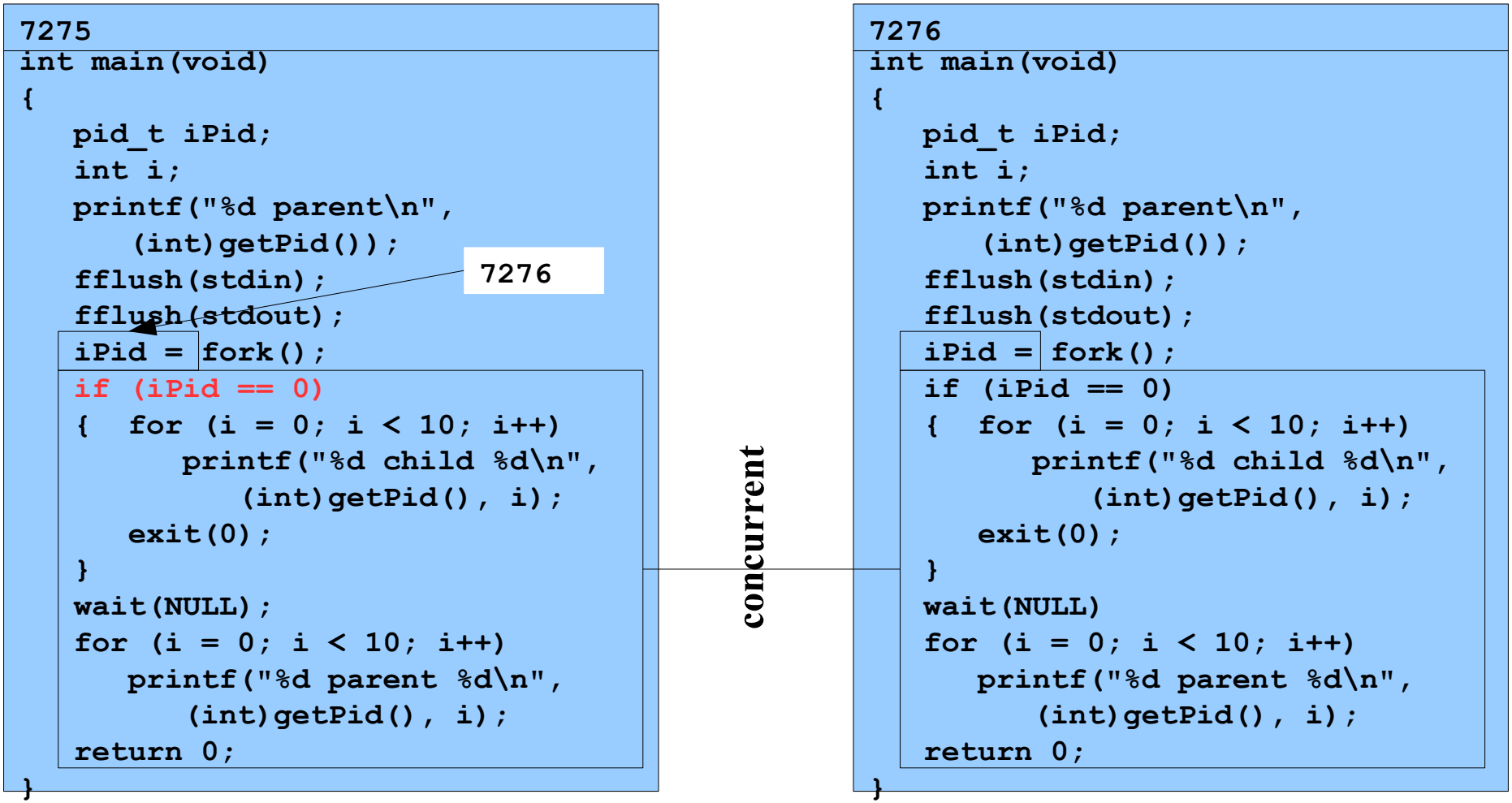




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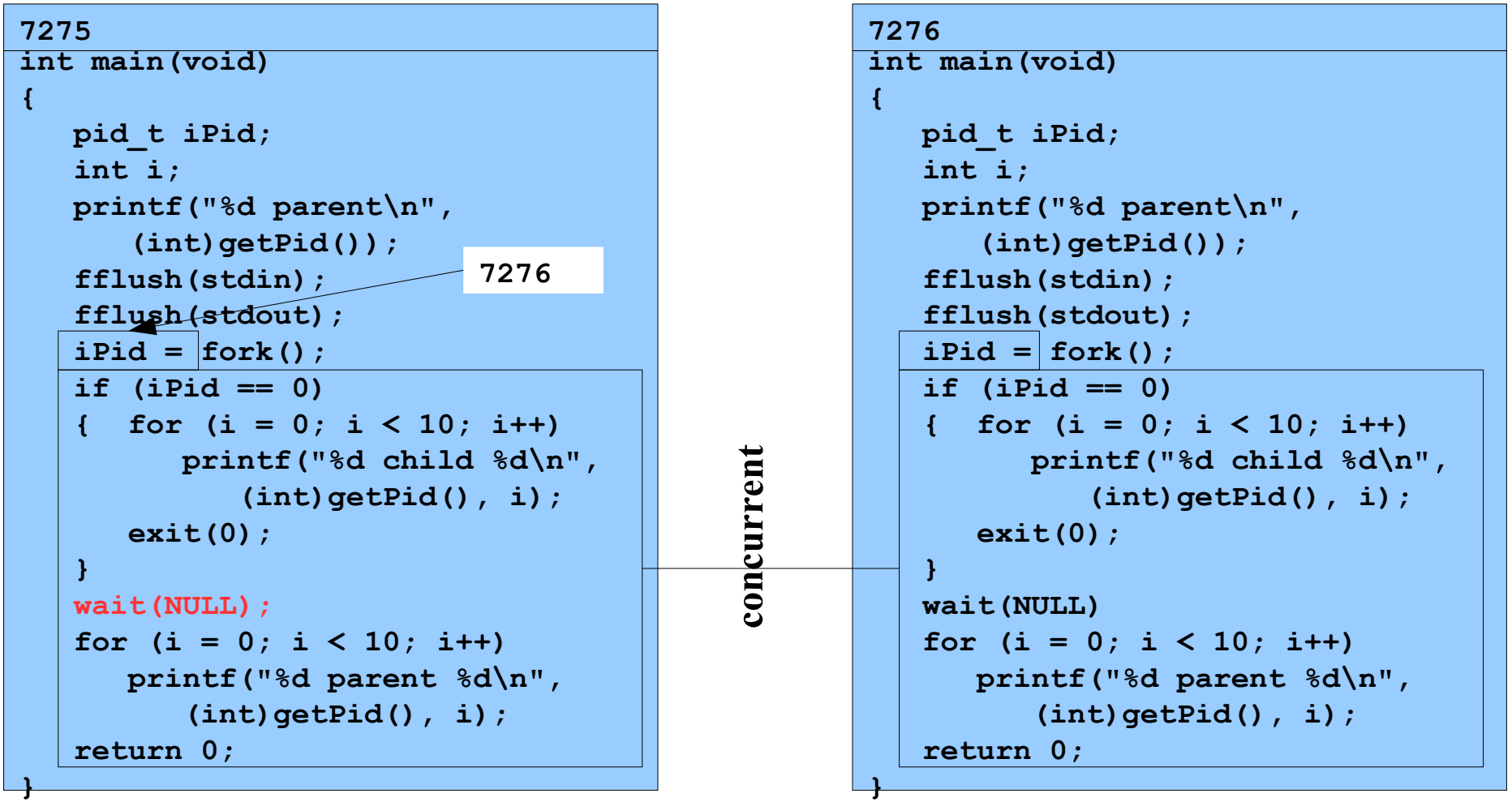

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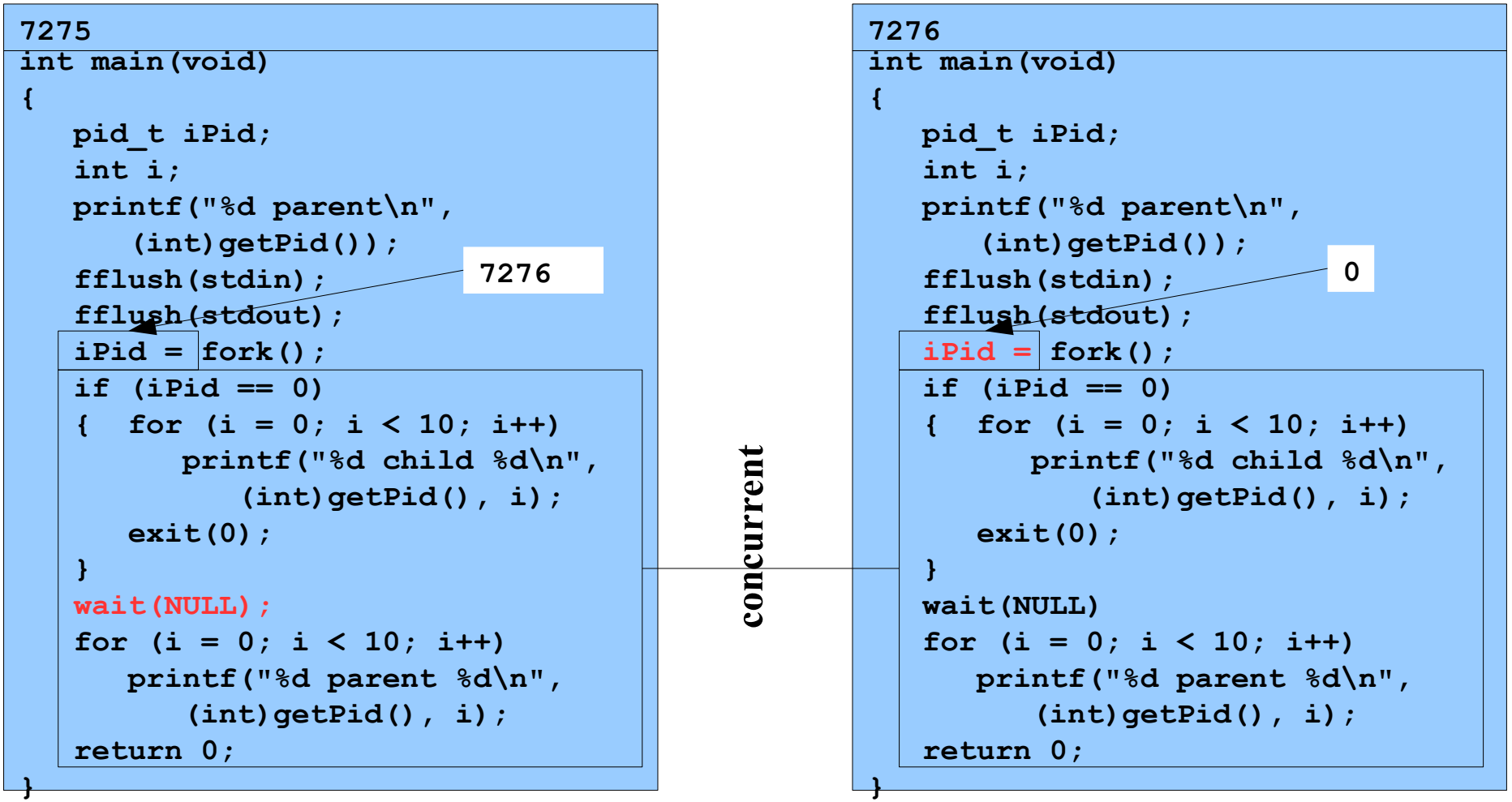

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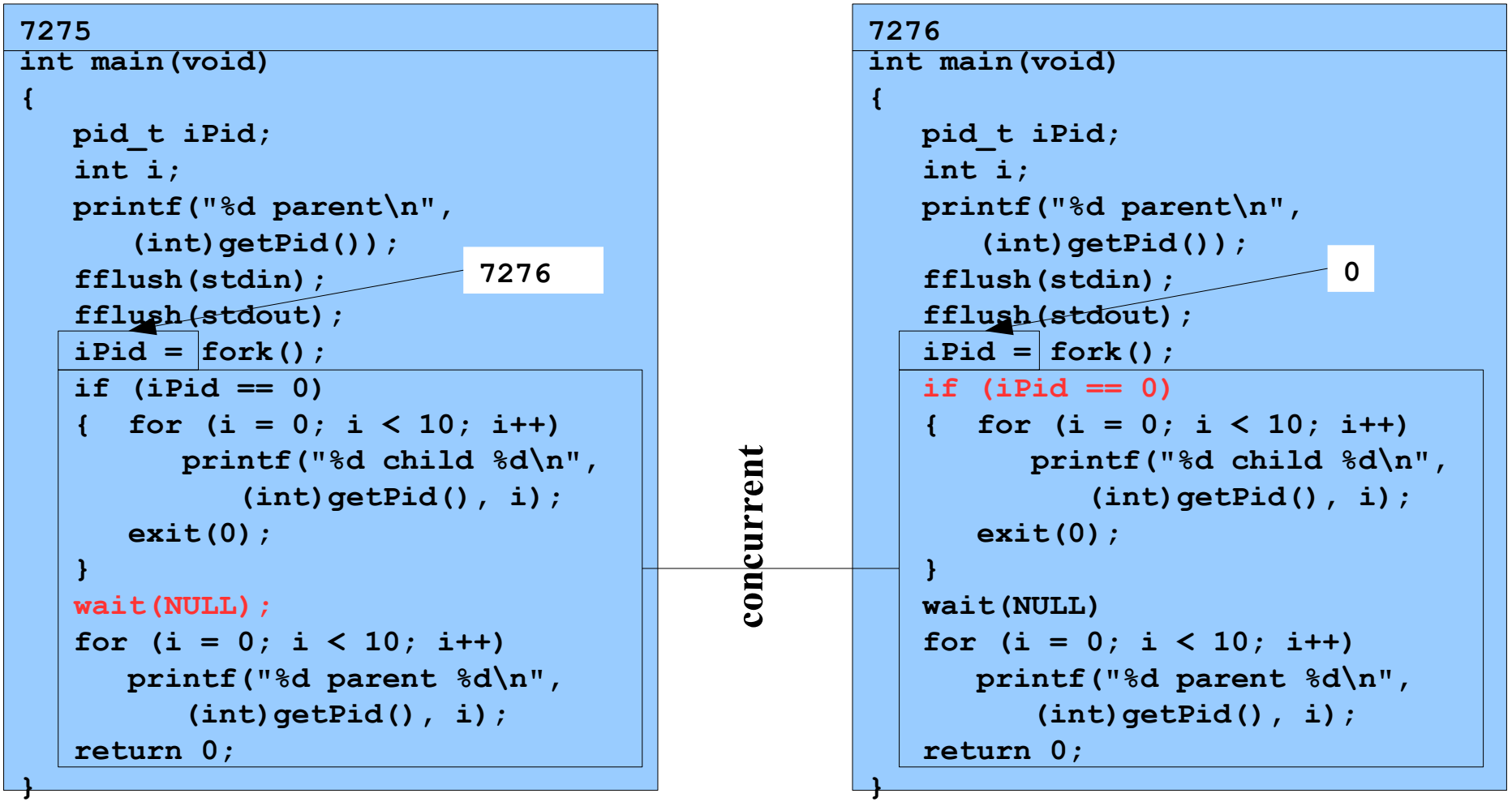

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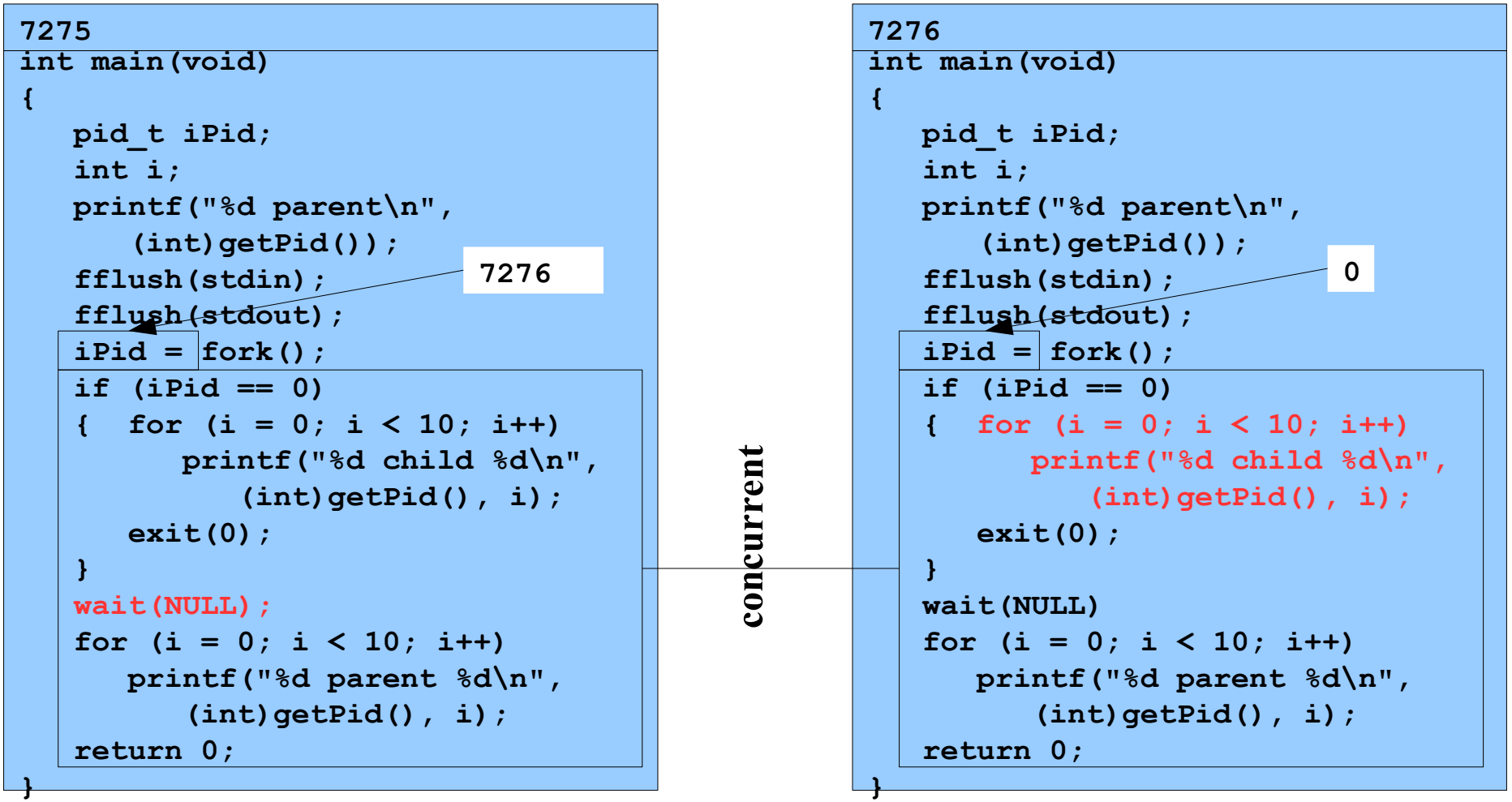


**Writes:**

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7276 child 0 ... 9
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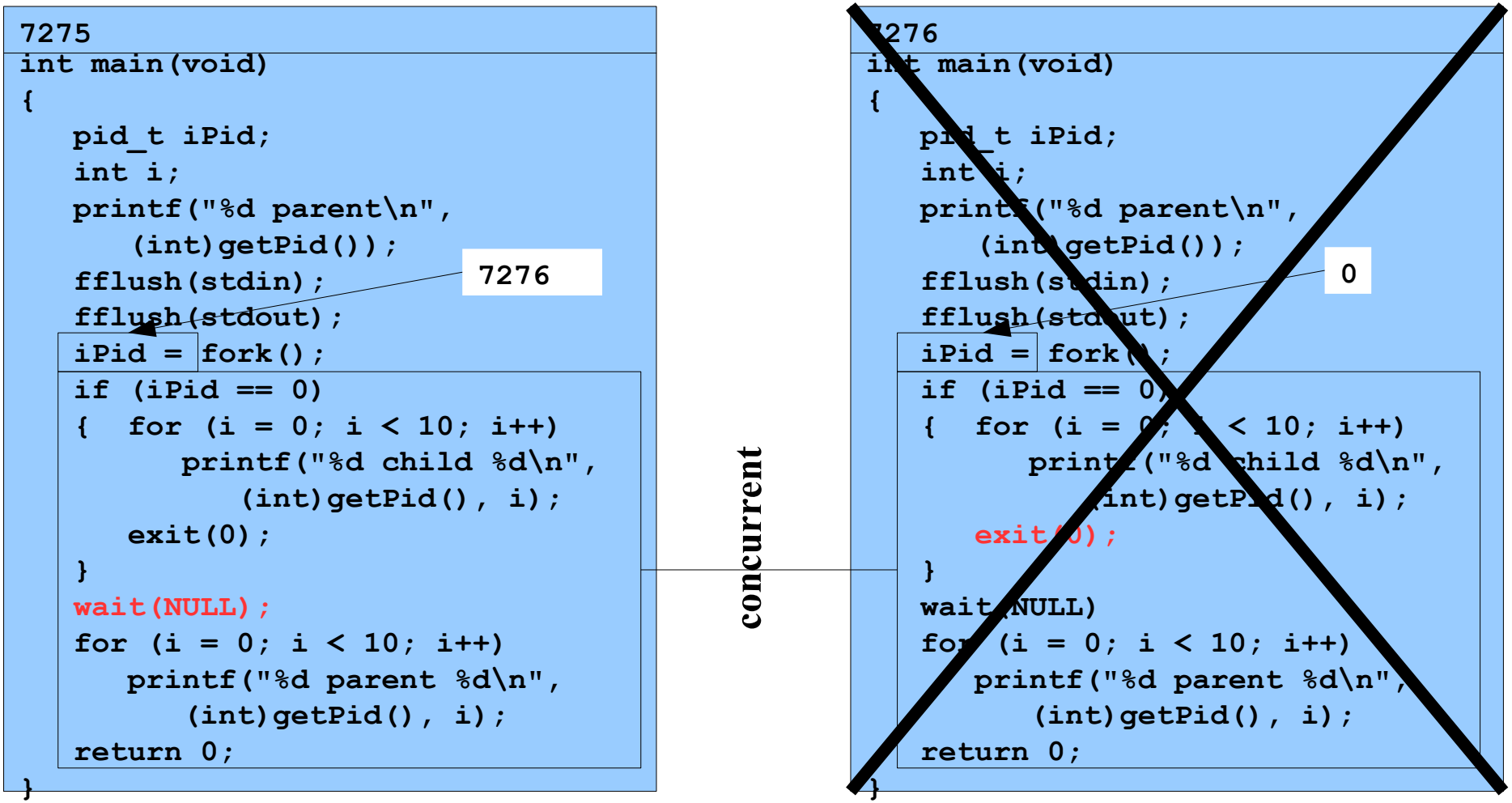

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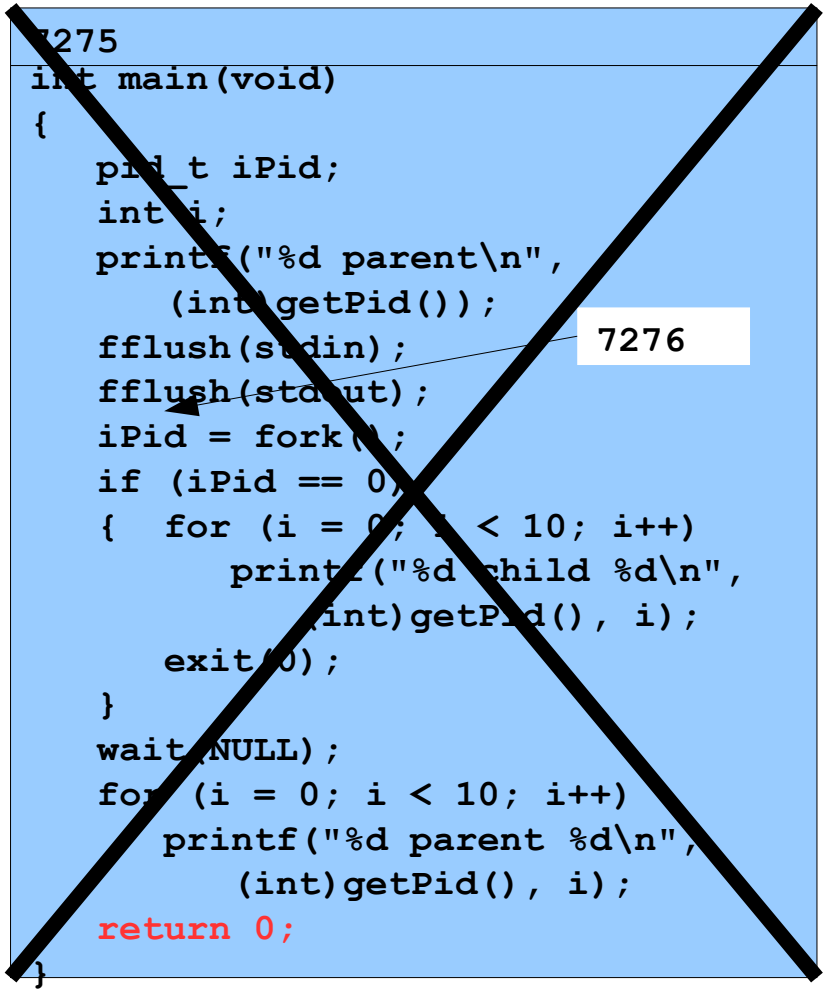

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