

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

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

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Trace of testforkwait

```
% ./testforkwait
```

```
7275
```

```
int main(void)
{
    pid_t iPid;
    int i;
    printf("%d parent\n",
        (int)getPid());
    fflush(NULL);
    iPid = fork();
    if (iPid == 0)
    {
        for (i = 0; i < 10; i++)
            printf("%d child %d\n",
                (int)getPid(), i);
        exit(0);
    }
    wait(NULL);
    for (i = 0; i < 10; i++)
        printf("%d parent %d\n",
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Writes:

7275 parent

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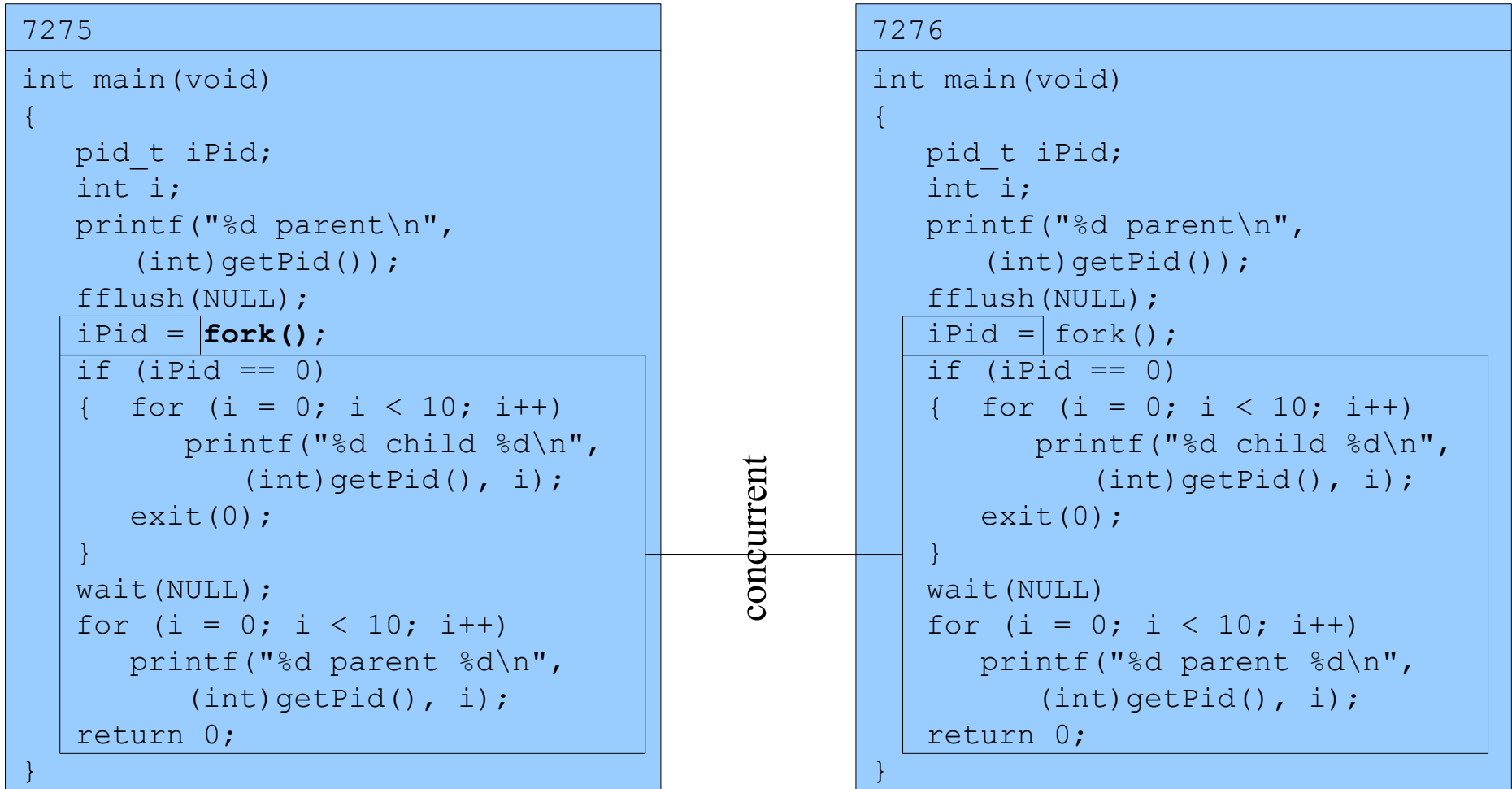
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Assume OS gives CPU to parent

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concurrent

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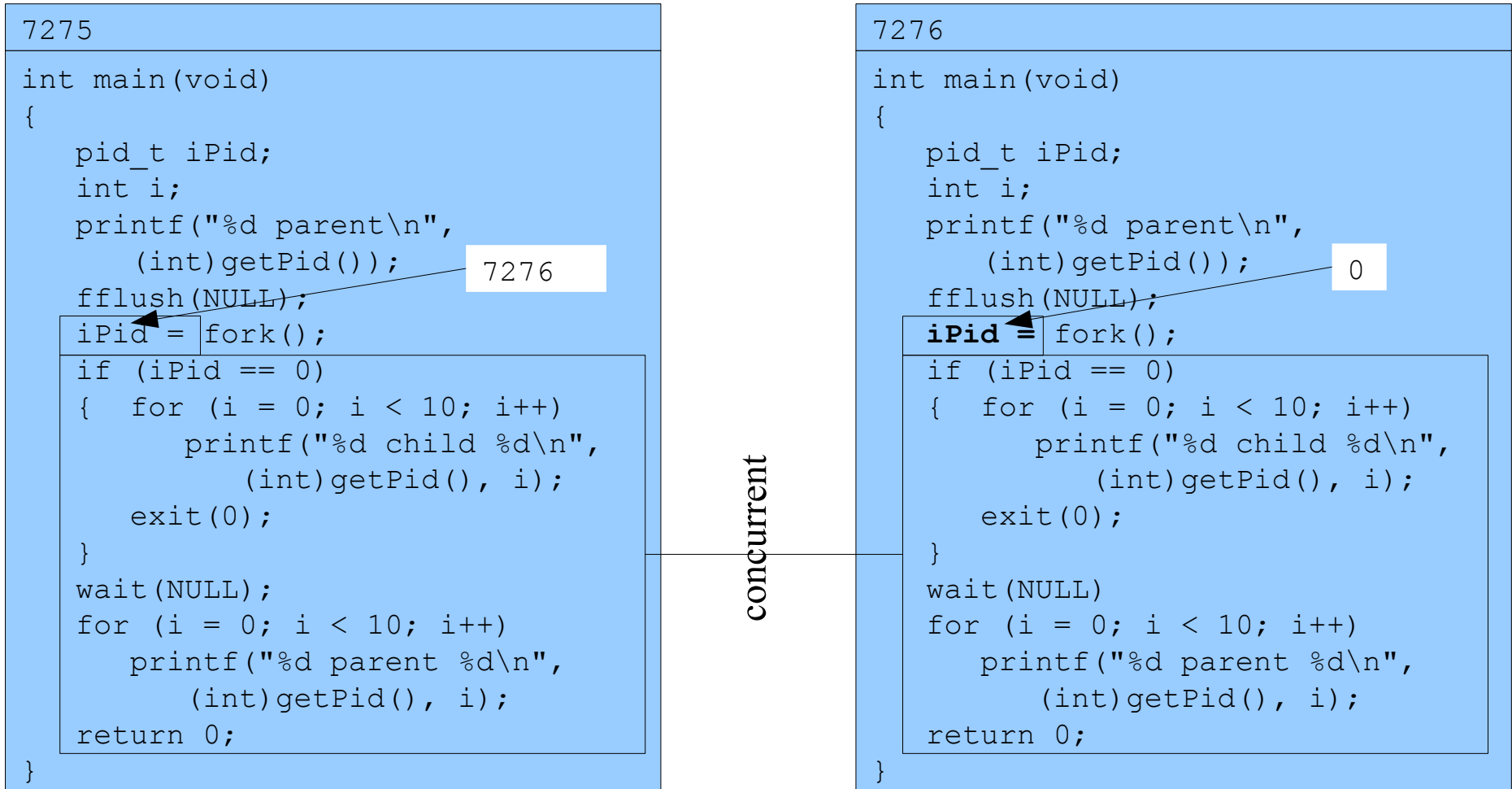
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concurrent

Writes:  
7276 child 0 ... 9

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0

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7276

Writes:

25667 parent 0 ... 9

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