

Fork Exercise

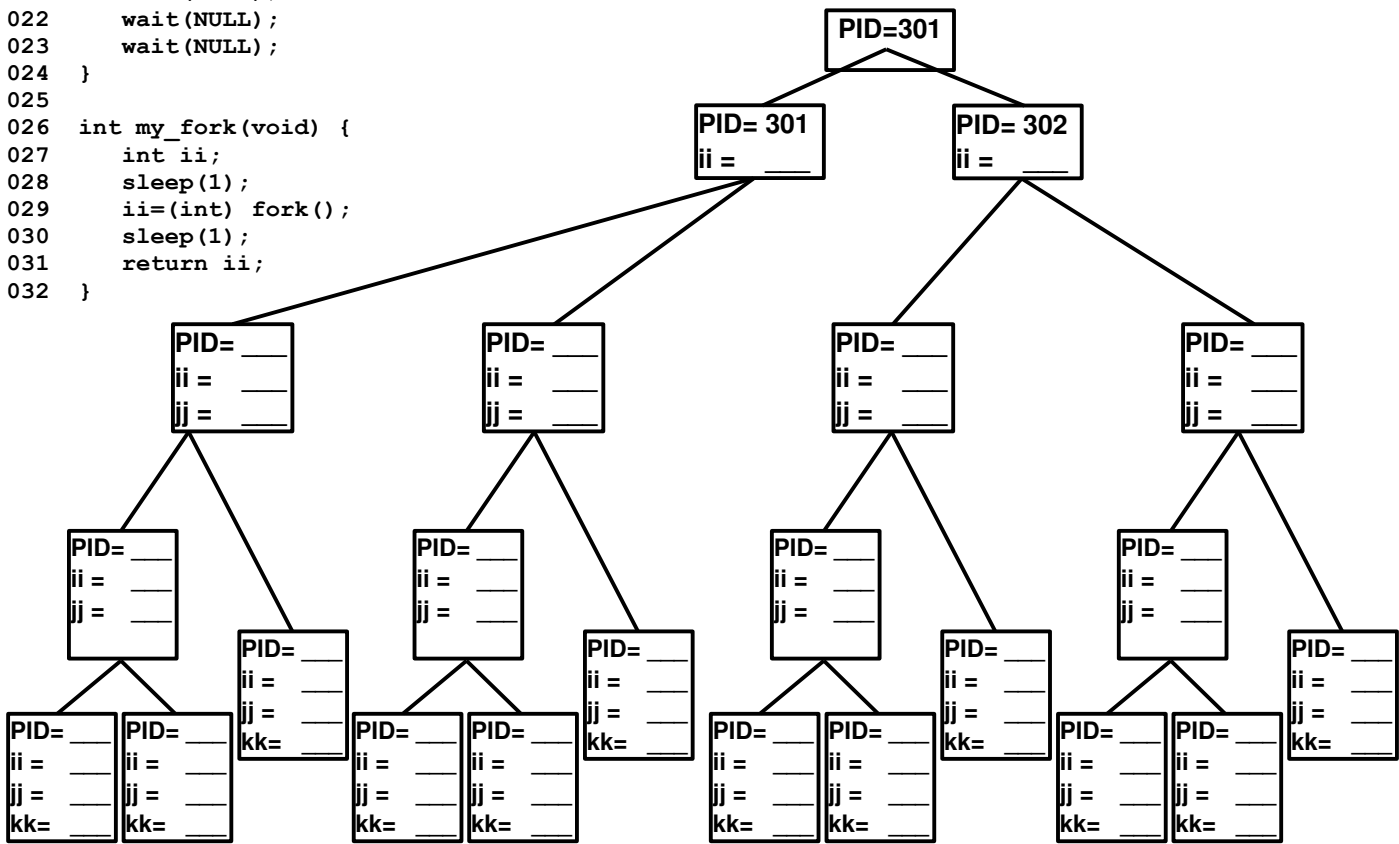
Lengkapi kotak serta pohon (*tree*) hasil kompilasi program "fork2010.c" (PID=301) berikut ini:

```

001 #include <sys/types.h>
002 #include <sys/wait.h>
003 #include <stdio.h>
004 #include <unistd.h>
005
006 int my_fork(void);
007
008 main(void)
009 {
010     int ii, jj, kk;
011
012     my_fork();
013     ii = (int) getpid();
014     my_fork();
015     jj = (int) getpid();
016     if (my_fork() > 0)
017         my_fork();
018     kk = (int) getpid();
019     printf ("ii = %3.3d -- jj = %3.3d -- kk = %3.3d\n",ii,jj,kk);
020     wait(NULL);
021     wait(NULL);
022     wait(NULL);
023     wait(NULL);
024 }
025
026 int my_fork(void) {
027     int ii;
028     sleep(1);
029     ii=(int) fork();
030     sleep(1);
031     return ii;
032 }

```

ii = _____	--	jj = 301	--	kk = 301
ii = _____	--	jj = 302	--	kk = 302
ii = 302	--	jj = 303	--	kk = 303
ii = _____	--	jj = 304	--	kk = 304
ii = _____	--	jj = _____	--	kk = 305
ii = _____	--	jj = 303	--	kk = 306
ii = _____	--	jj = 302	--	kk = 307
ii = _____	--	jj = 301	--	kk = 308
ii = _____	--	jj = 301	--	kk = 309
ii = _____	--	jj = 304	--	kk = 310
ii = _____	--	jj = 303	--	kk = 311
ii = _____	--	jj = 302	--	kk = 312



Berapakah kisaran dari ii, jj, dan kk?

≤ ii ≤
 ≤ jj ≤
 ≤ kk ≤
ii jj kk

Apa guna "wait(NULL)" pada baris 20-23 di atas?