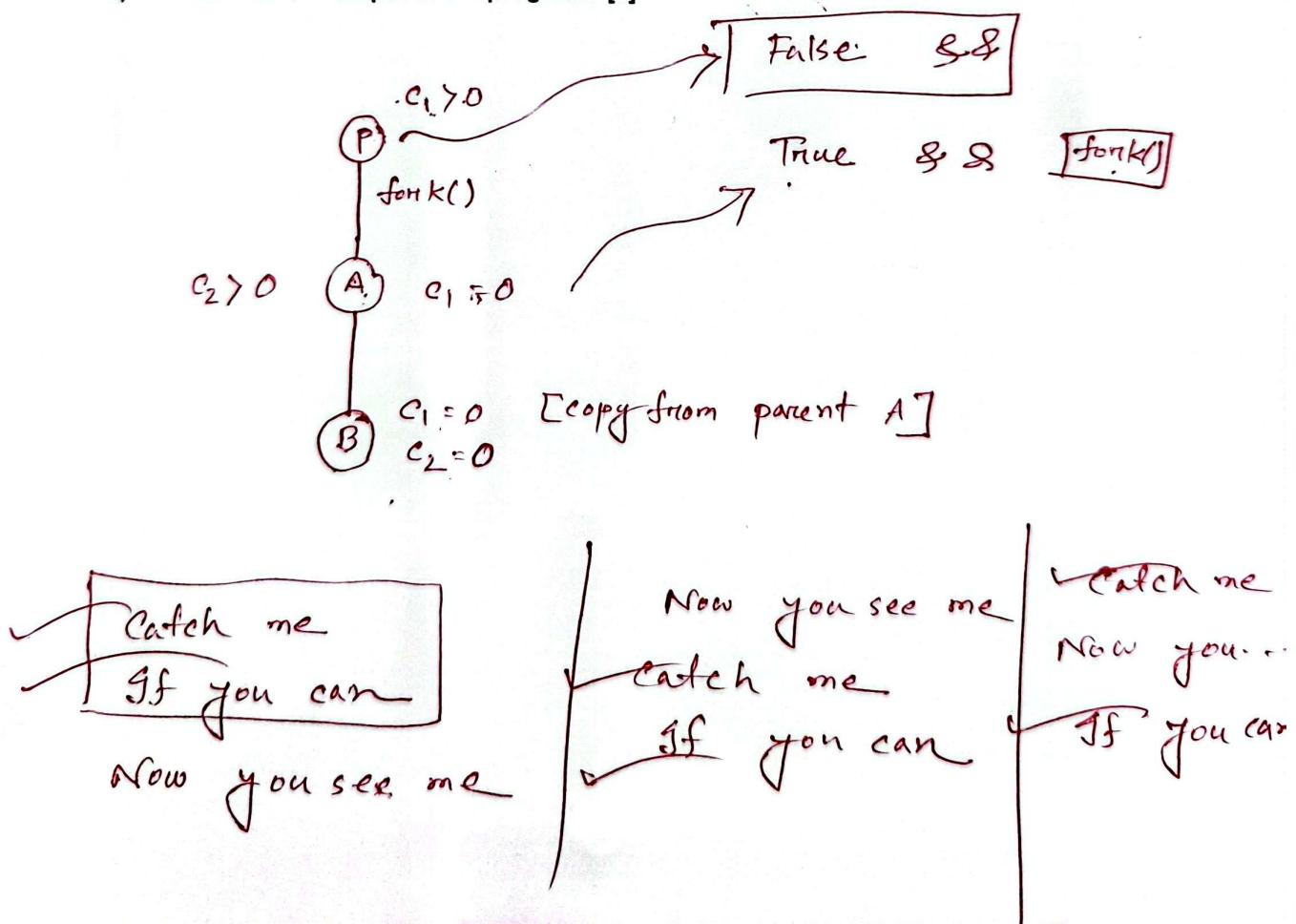




1) Consider the following program

```
1. int c1 = fork();
2. if(c1 == 0 && fork()) → (A)
3. {
4.     printf("Catch me\n");
5. }
6. else if(c1 > 0) → (P) → waits for (A)
7. {
8.     waitpid(c1, NULL, 0);
9.     printf("If you can\n");
10. } else → (B)
11. {
12.     printf("Now you see me\n");
13. }
```

- a) Draw the process tree for the above program [5]
b) What will be the output of the program? [3]



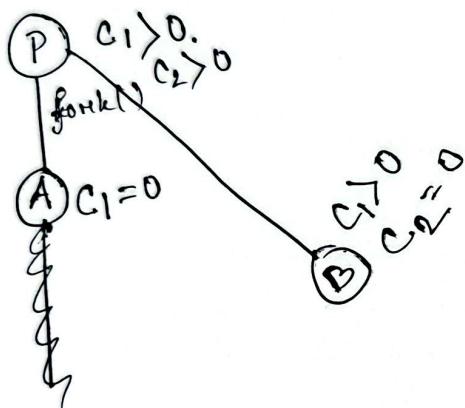
3) Consider the following program:

```

1. if(fork() && fork())
2. {
3.     printf("I must print\n");
4. }
5. else
6. {
7.     printf("Will I be printed again?\n");
8. }

```

- a) Draw the process tree for the above program [5]
- b) What will be the output of the program? [3]



Output :

I must print.
will I be printed again?
will I be printed again?