Problem 53. (5 points):

Consider the C program below. (For space reasons, we are not checking error return codes, so assume that all functions return normally.)

```
main() {
  if (fork() == 0) {
    if (fork() == 0) {
      printf("3");
    else {
      pid_t pid; int status;
      if ((pid = wait(&status)) > 0) {
        printf("4");
  else {
    if (fork() == 0) {
      printf("1");
      exit(0);
   printf("2");
 printf("0");
  return 0;
}
```

Out of the 5 outputs listed below, circle only the valid outputs of this program. Assume that all processes run to normal completion.

A. 2030401

B. 1234000

C. 2300140

D. 2034012

E. 3200410