

```
1:      [* This test file should contain no errors. *]
2:
3:      $$
4:      [* declarations *]
5:      int base, power;
6:      int count, total;
7:
8:      [* assignments *]
9:      count = 0;
10:     total = 0;
11:
12:     [* input *]
13:     get(base);
14:     get(power);
15:
16:     [* calculation *]
17:     while(count < power){
18:         total = total*base;
19:         count = count + 1;
20:     }whileend
21:
22:     [* output *]
23:     put(total);
24:     $$
```