

<https://github.com/alvinchiang1206/PLMA>

```
[13] i = 1
    while i <= 9:
        j = 1
        while j <= 9:
            ans = i * j
            print(f"{j} x {i} = {ans:<2}", end = '    ')
            j += 1
        print()
        i += 1
```

1 x 1 = 1	2 x 1 = 2	3 x 1 = 3	4 x 1 = 4	5 x 1 = 5	6 x 1 = 6	7 x 1 = 7	8 x 1 = 8	9 x 1 = 9
1 x 2 = 2	2 x 2 = 4	3 x 2 = 6	4 x 2 = 8	5 x 2 = 10	6 x 2 = 12	7 x 2 = 14	8 x 2 = 16	9 x 2 = 18
1 x 3 = 3	2 x 3 = 6	3 x 3 = 9	4 x 3 = 12	5 x 3 = 15	6 x 3 = 18	7 x 3 = 21	8 x 3 = 24	9 x 3 = 27
1 x 4 = 4	2 x 4 = 8	3 x 4 = 12	4 x 4 = 16	5 x 4 = 20	6 x 4 = 24	7 x 4 = 28	8 x 4 = 32	9 x 4 = 36
1 x 5 = 5	2 x 5 = 10	3 x 5 = 15	4 x 5 = 20	5 x 5 = 25	6 x 5 = 30	7 x 5 = 35	8 x 5 = 40	9 x 5 = 45
1 x 6 = 6	2 x 6 = 12	3 x 6 = 18	4 x 6 = 24	5 x 6 = 30	6 x 6 = 36	7 x 6 = 42	8 x 6 = 48	9 x 6 = 54
1 x 7 = 7	2 x 7 = 14	3 x 7 = 21	4 x 7 = 28	5 x 7 = 35	6 x 7 = 42	7 x 7 = 49	8 x 7 = 56	9 x 7 = 63
1 x 8 = 8	2 x 8 = 16	3 x 8 = 24	4 x 8 = 32	5 x 8 = 40	6 x 8 = 48	7 x 8 = 56	8 x 8 = 64	9 x 8 = 72
1 x 9 = 9	2 x 9 = 18	3 x 9 = 27	4 x 9 = 36	5 x 9 = 45	6 x 9 = 54	7 x 9 = 63	8 x 9 = 72	9 x 9 = 81

```
import random
answer = random.sample(range(1, 10), 4)
print(f'答案: {answer}')
a = b = n = 0
num = 0
while a!=4:
    num += 1
    a = b = n = 0
    ans = list(input('輸入四個數字(不會重複): '))
    if len(ans)>4:
        ans = list(input('輸入數字過多, 請輸入四個數字(不會重複): '))
        num += 0
    for i in ans:
        if int(ans[n]) == answer[n]:
            a += 1
        else:
            if int(i) in answer:
                b += 1
            n += 1
    output = ','.join(ans).replace(',', '')
    print(f'{output}: {a}A{b}B')
print(f'答對了! 總共猜了 {num} 次')
```

答案: [3, 1, 5, 9]
輸入四個數字(不會重複): 87654
輸入數字過多, 請輸入四個數字(不會重複): 8314
8314: 0A2B
輸入四個數字(不會重複): 7158
7158: 2A0B
輸入四個數字(不會重複): 9150
9150: 2A1B
輸入四個數字(不會重複): 3159
3159: 4A0B
答對了! 總共猜了 4 次