

Q1 Find the total staircases which comply with the following conditions:

- If 2 rise per footstep, 1 leftover step remaining at the end
- If 3 rise per footstep, 2 leftover steps remaining at the end
- If 5 rise per footstep, 4 leftover steps remaining at the end
- If 6 rise per footstep, 5 leftover steps remaining at the end
- If 7 rise per footstep, 0 leftover step remaining at the end

Ans:

```
x = 1
```

```
while x > 0:
```

```
    if (x%2 == 1) and (x%3 == 2) and (x%5 == 4) and (x%6 == 5) and (x%7 == 0):
```

```
        print(x)
```

```
        break
```

```
    else:
```

```
        x+=1
```

```
    #print(x)    #Optional: Add print(x) here to see how's the iteration works
```