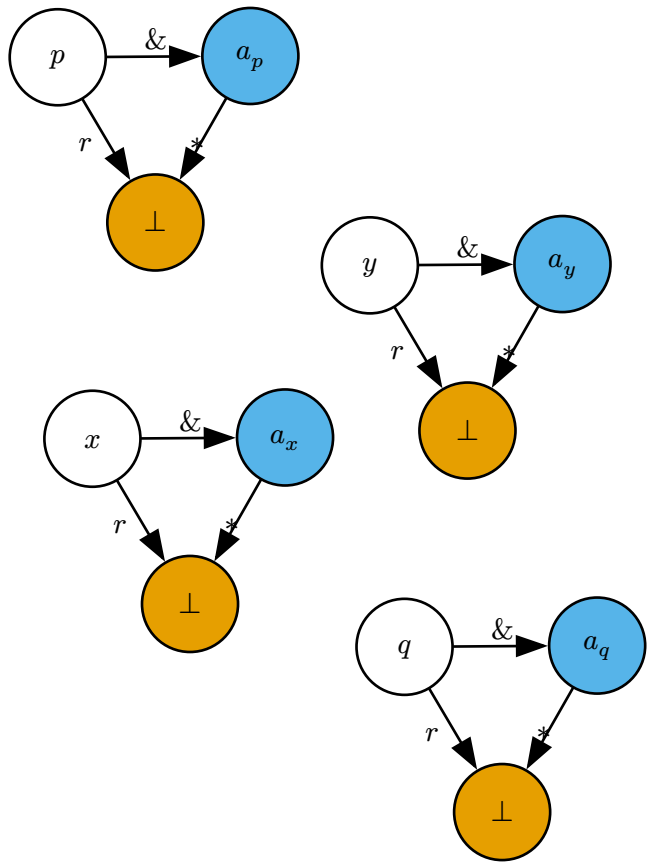
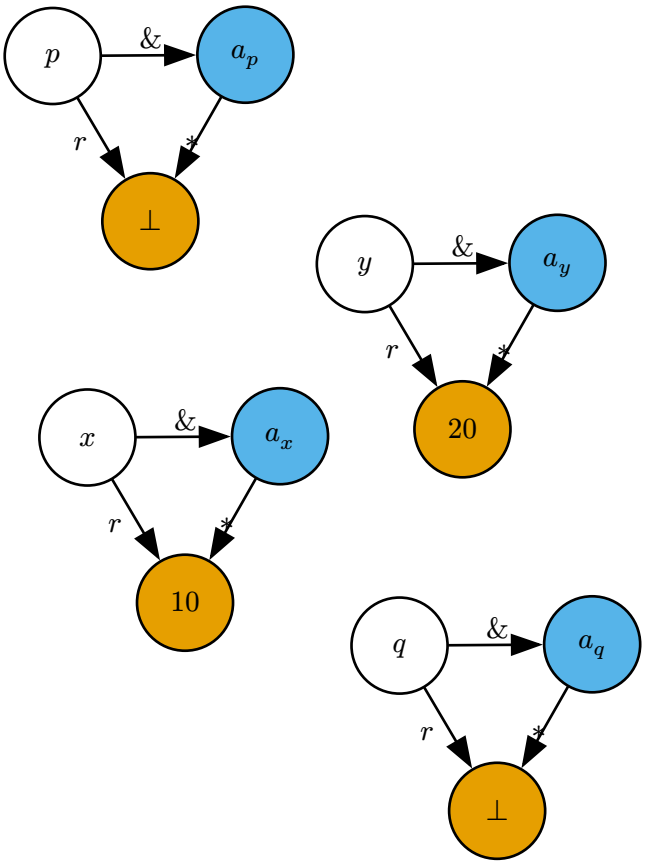
Example 1

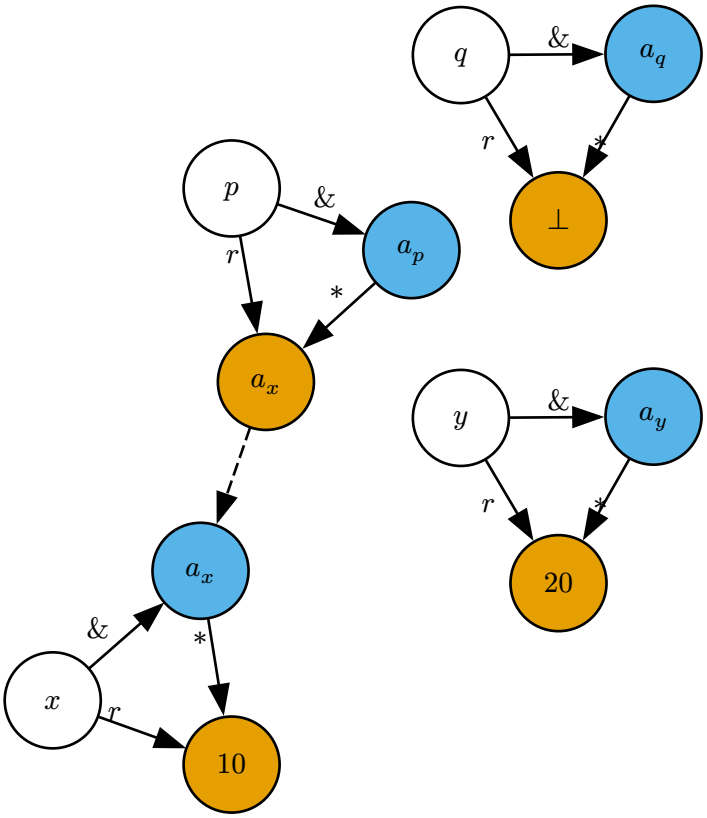
```
int x = 10, y = 20;
int* p = &x;
int* q = &y;
*p = *q;
q = p;
*q = 50;
```



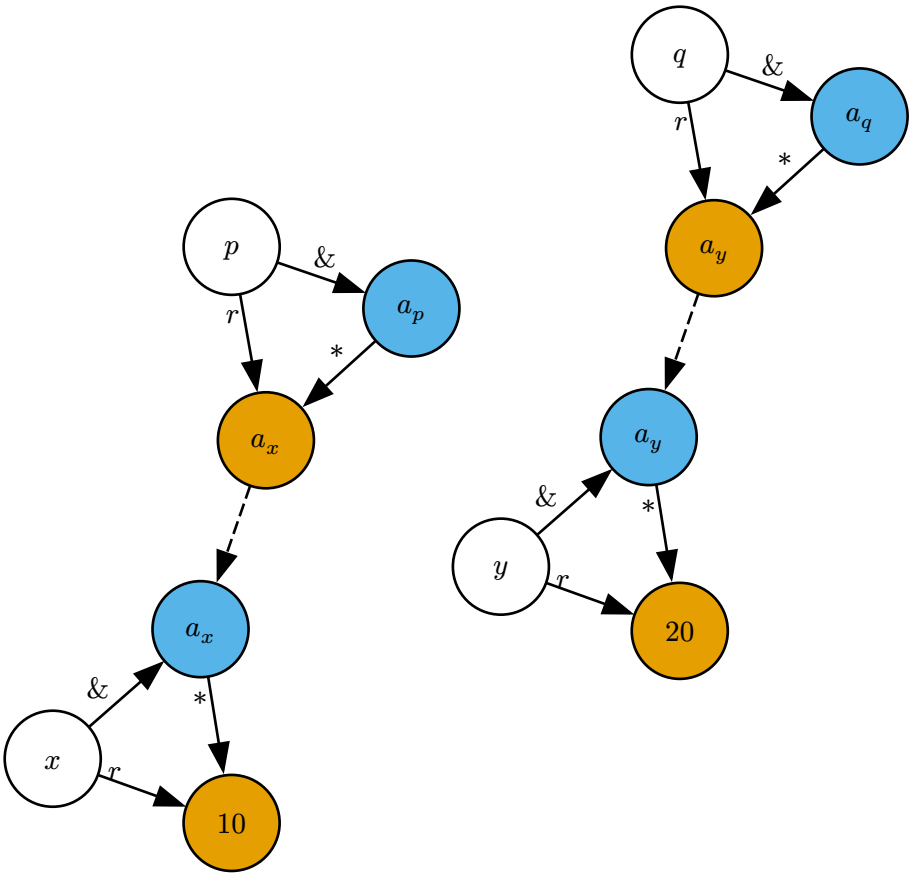
↓ int x = 10, y = 20;



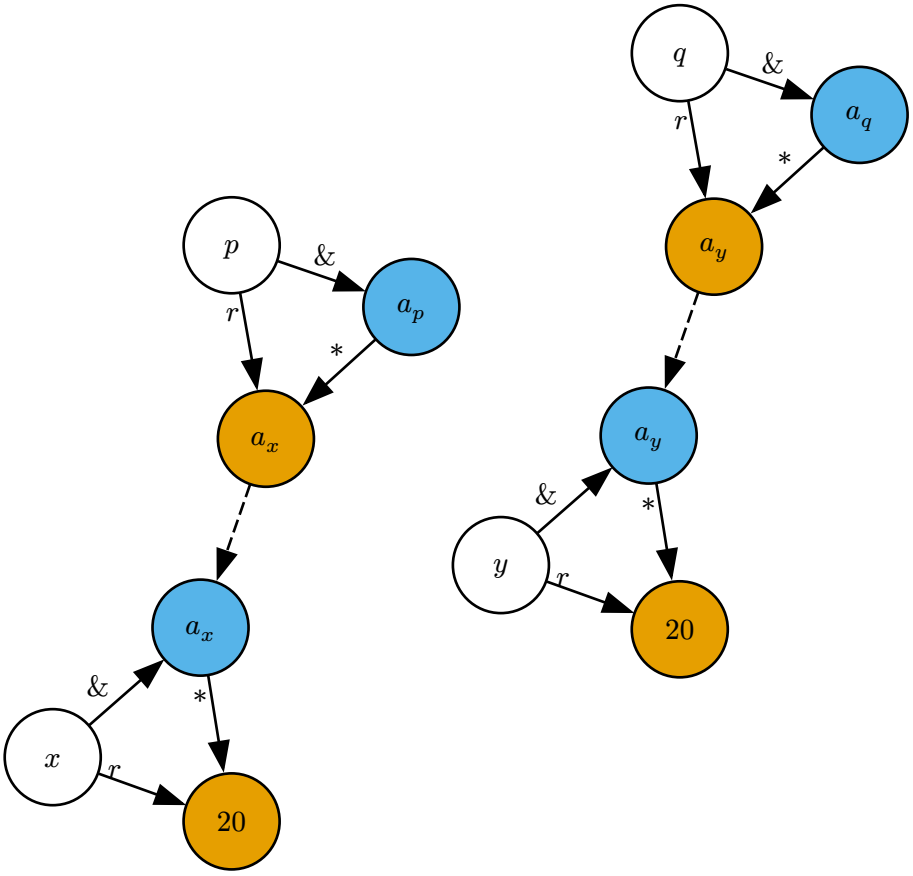
↓ int* p = &x;



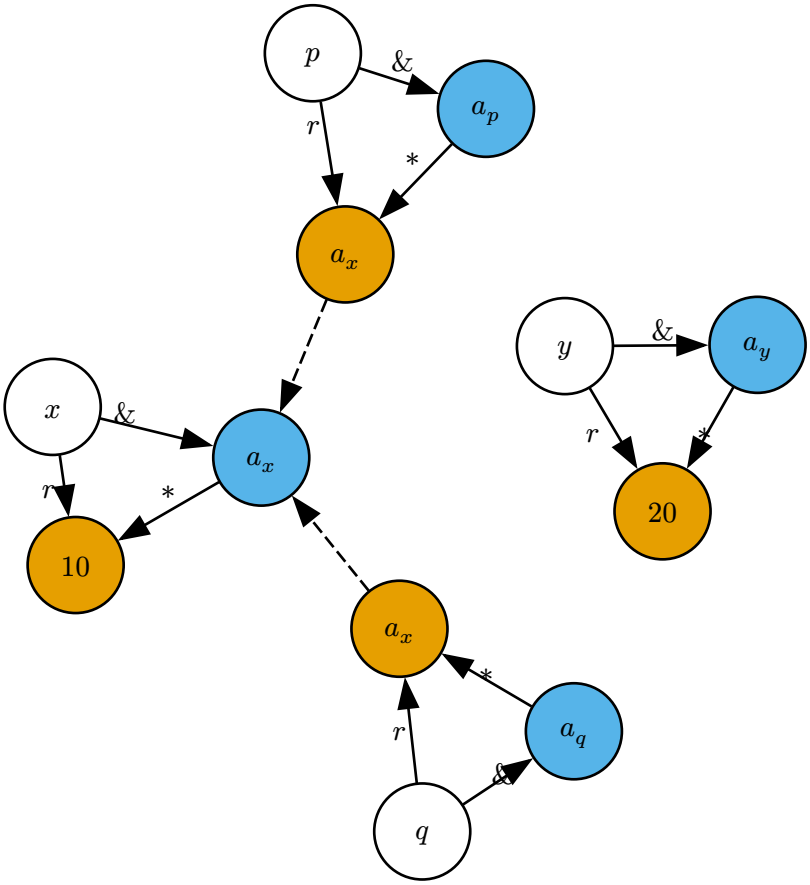
↓ int* q = &y;



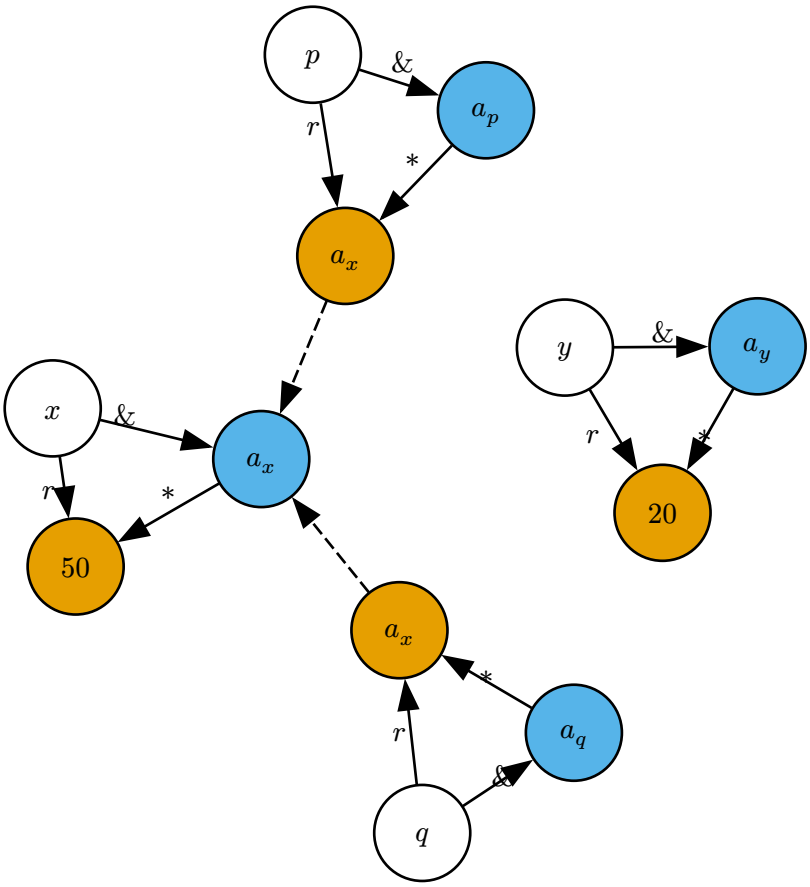
↓ *p = *q;



↓ q = p;

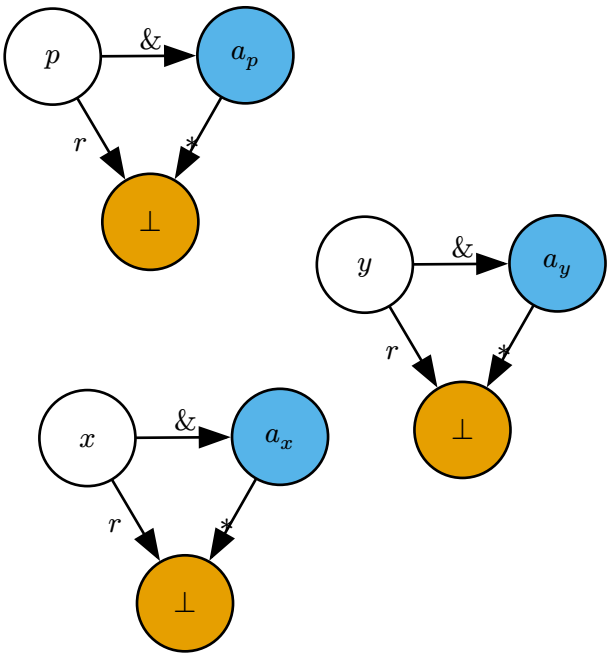


↓ *q = 50;

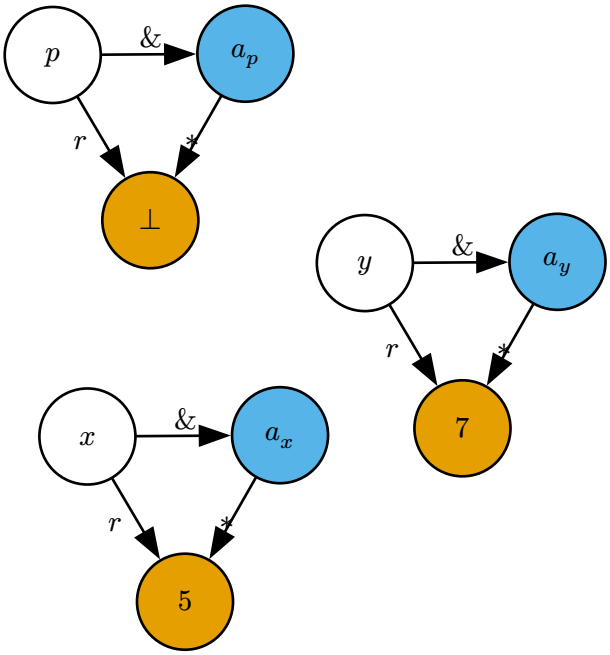


Example 2

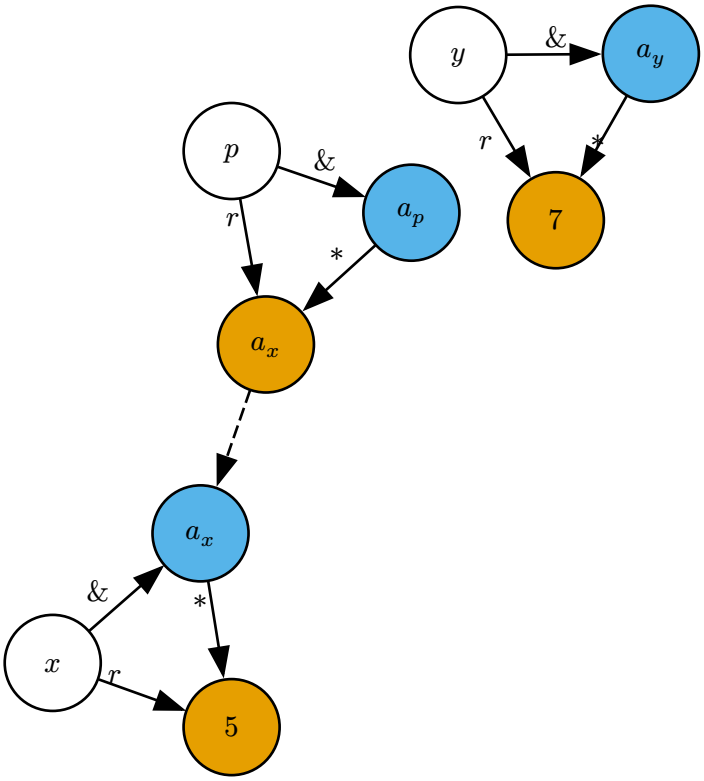
```
int x = 5, y = 7;
int *p = &x;
*p = y;
```



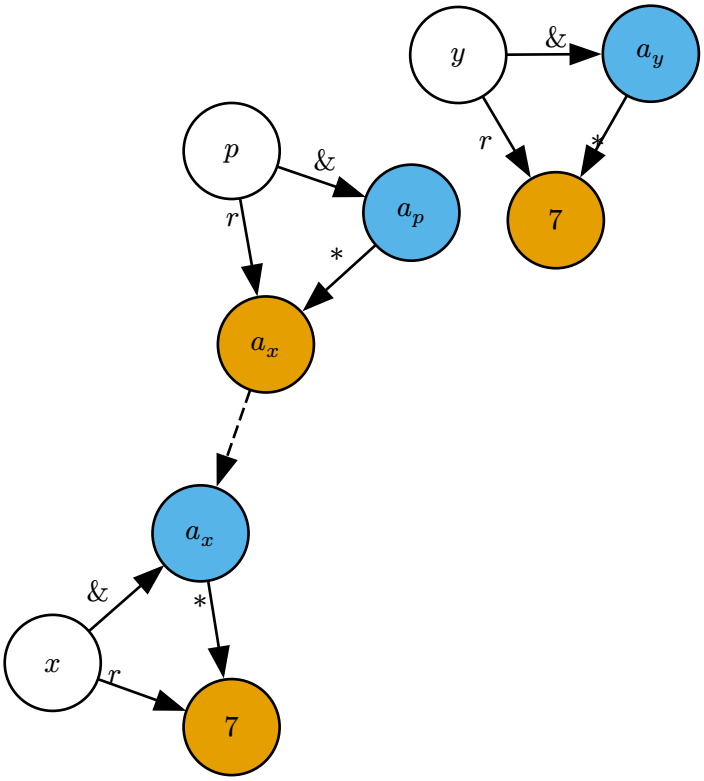
↓ int x = 5, y = 7;



↓ int *p = &x;

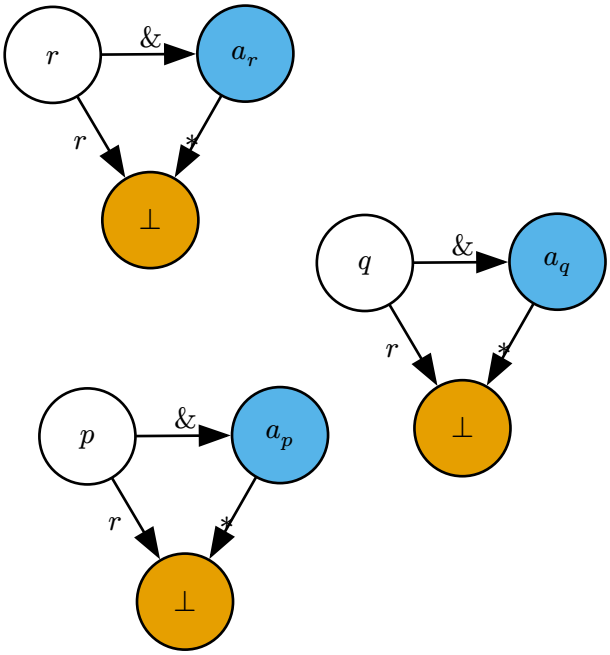


↓ *p = y;

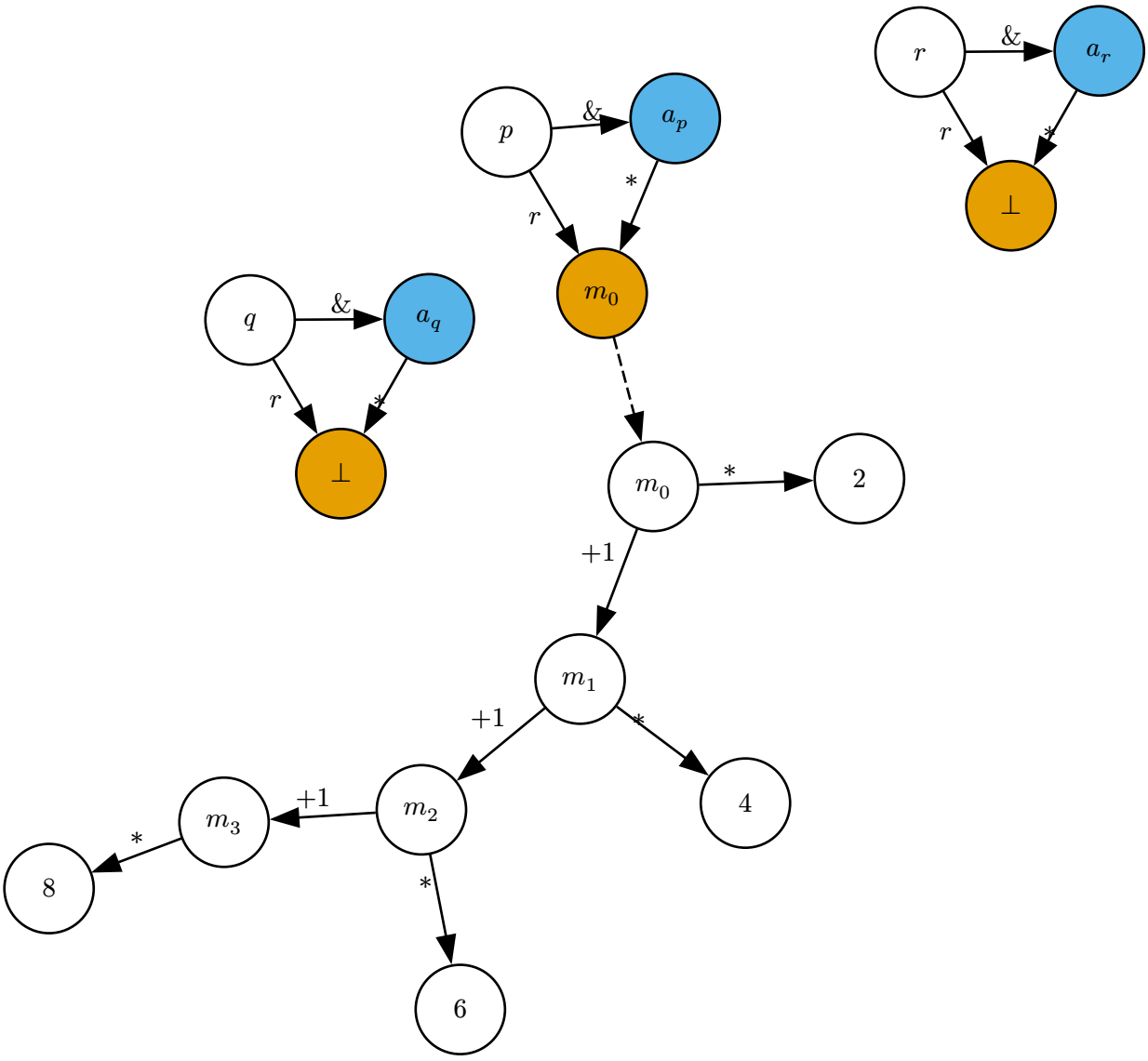


Example 3

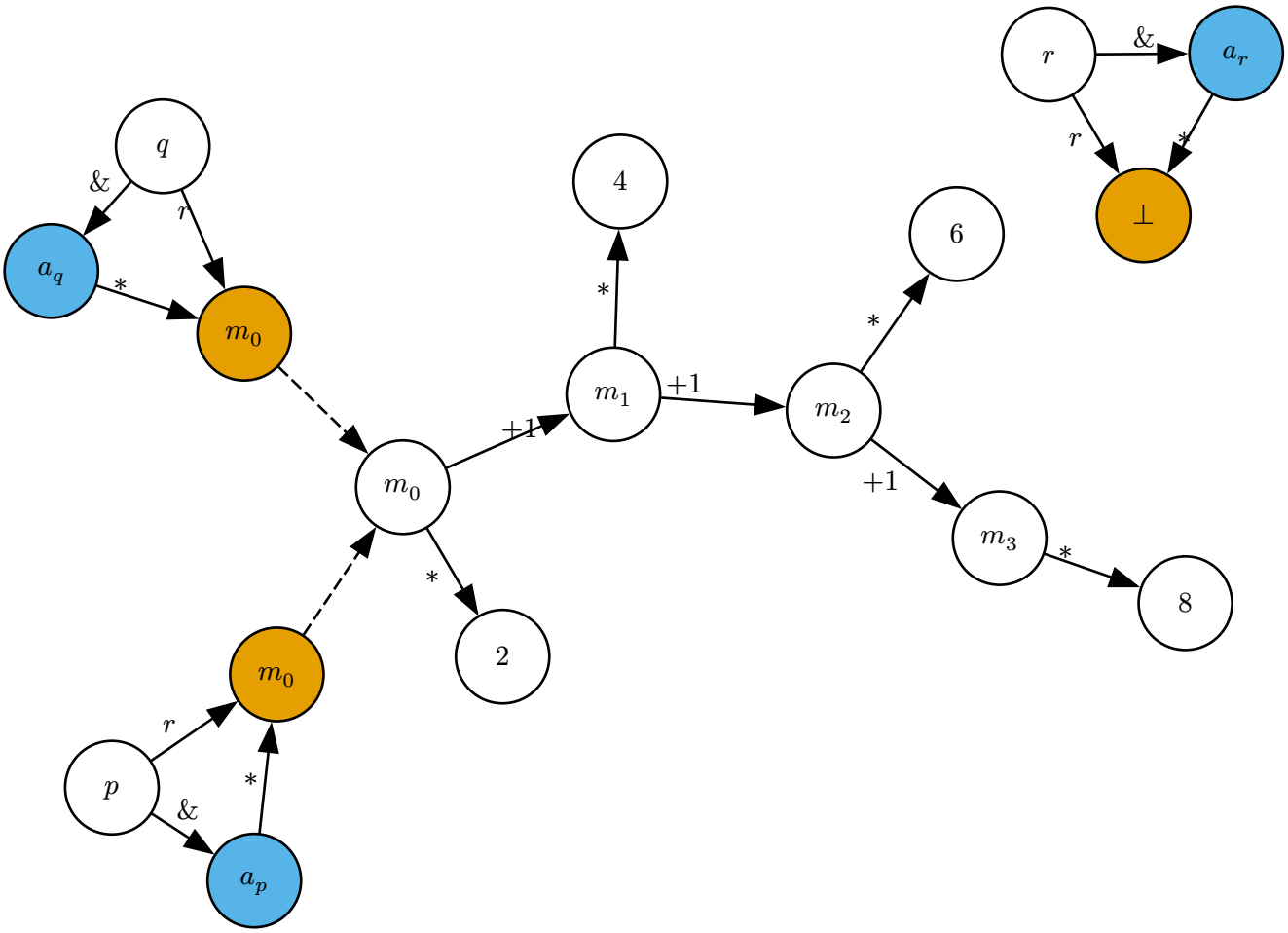
```
int p[] = {2, 4, 6, 8};
int *q = p;
int r = *(q + 2);
```



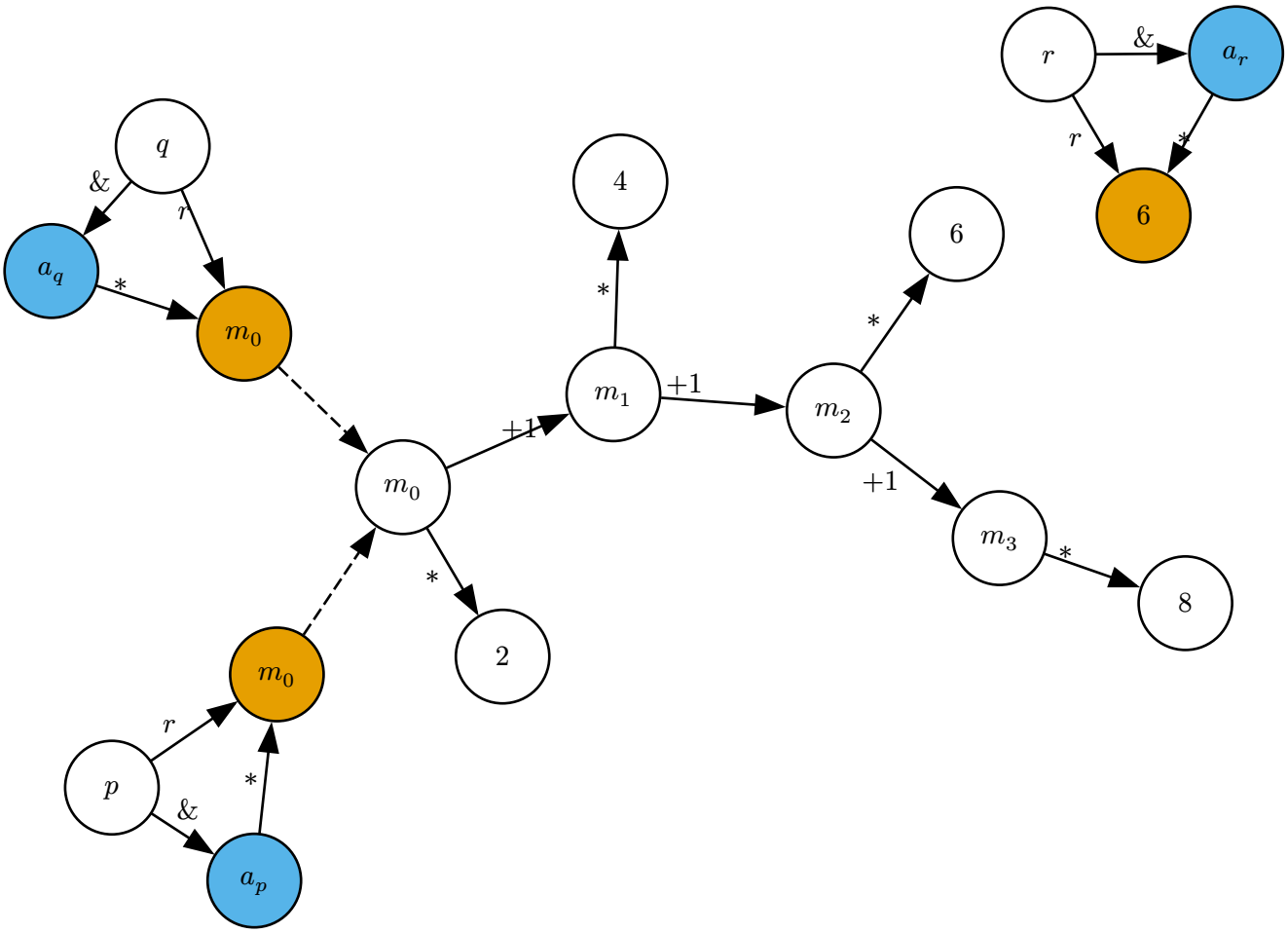
↓ int p[] = {2, 4, 6, 8};



↓ int *q = p;

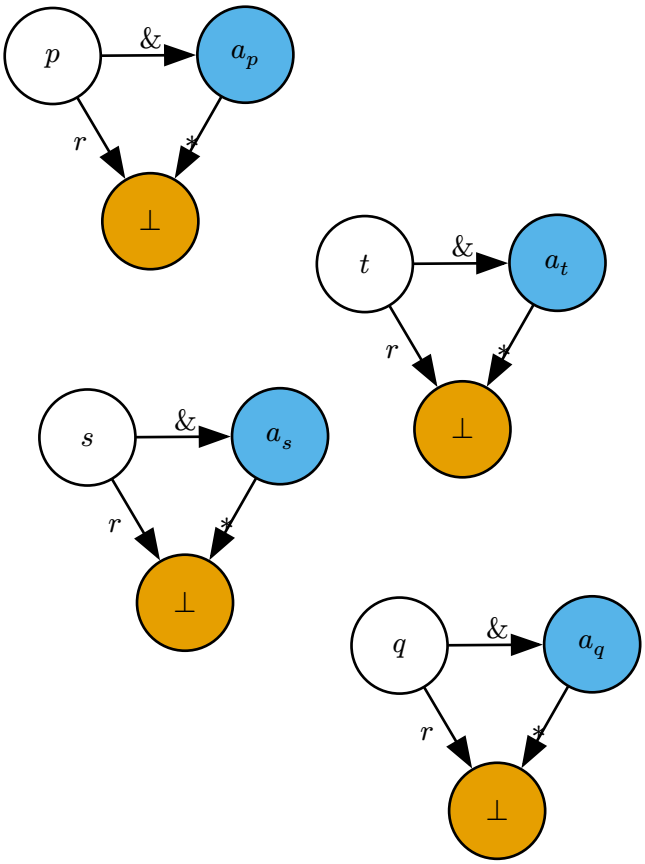


↓ int r = *(q + 2);

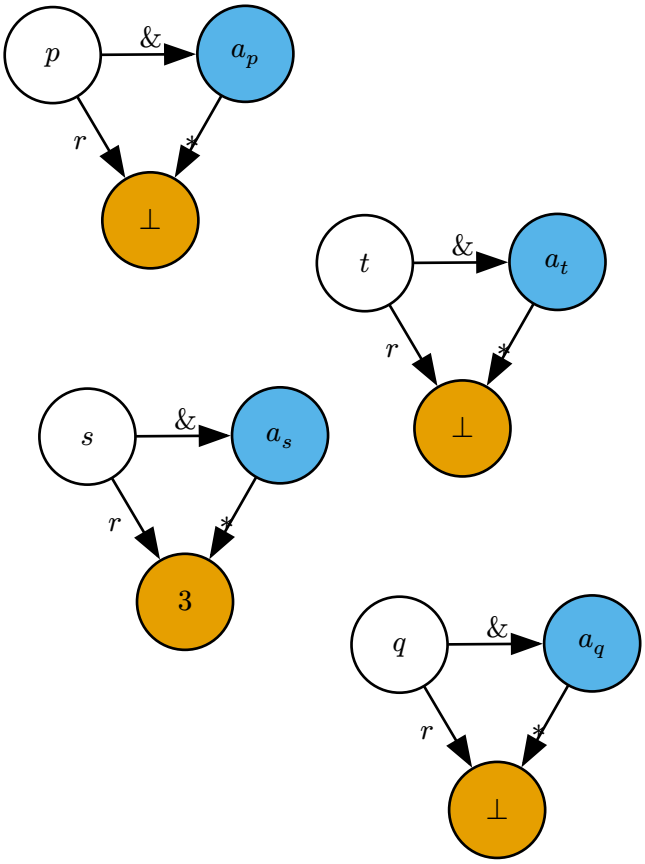


Example 4

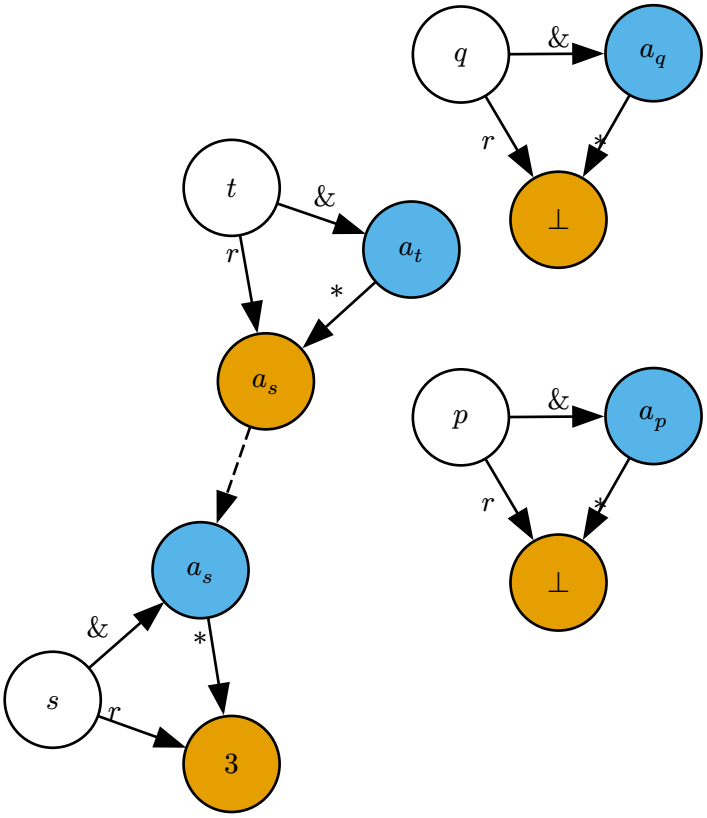
```
int s = 3;
int *t = &s;
int **p = &t;
int *q = *p;
*q = 10;
```



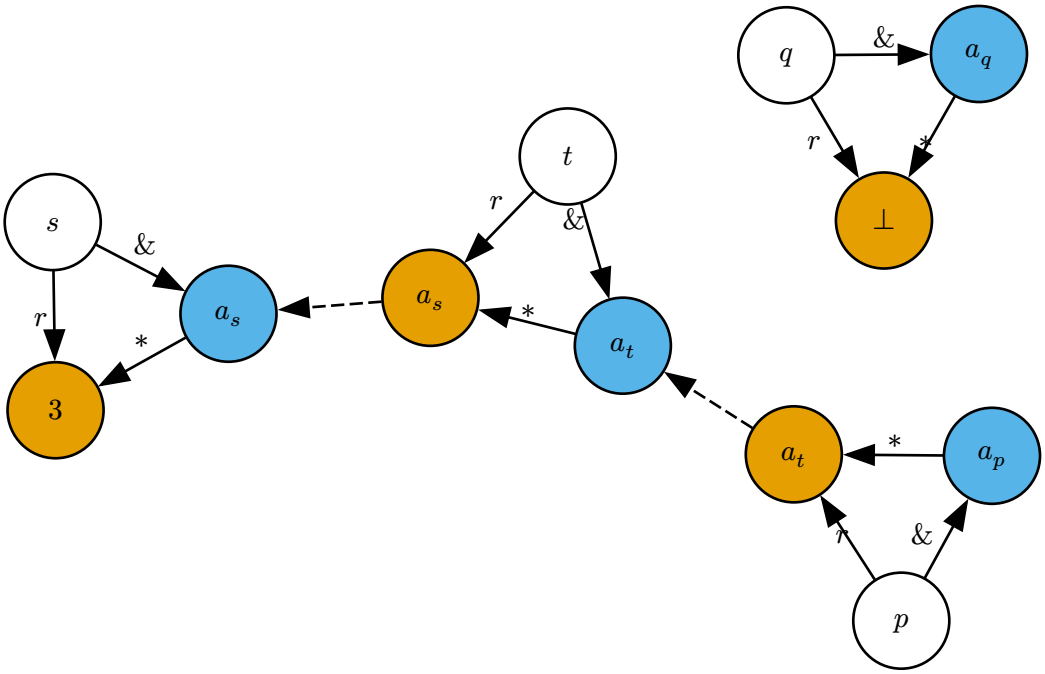
↓ int s = 3;



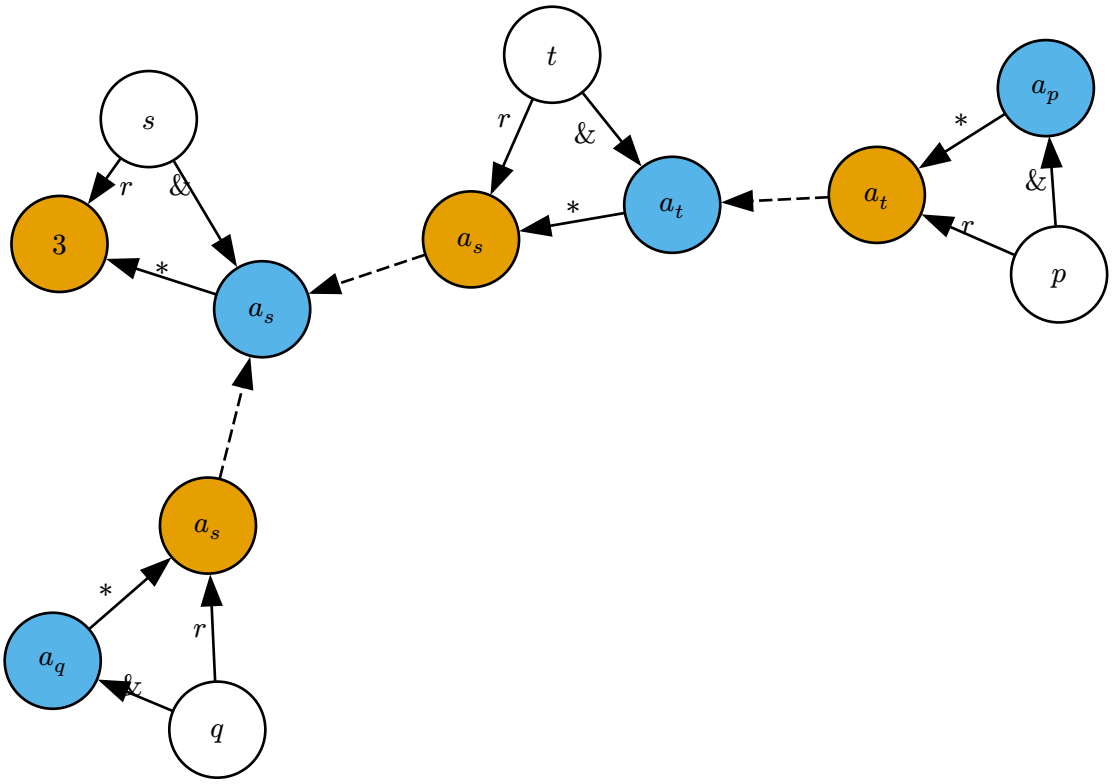
↓ int *t = &s;



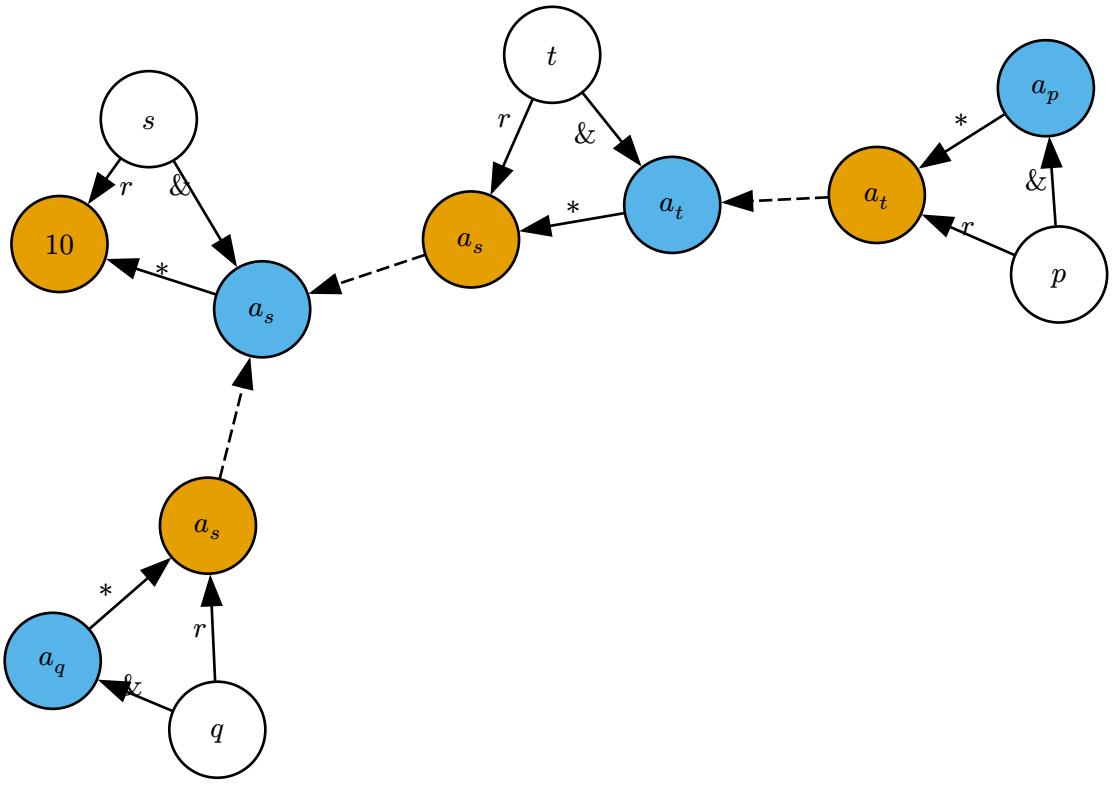
↓ int **p = &t;



↓ int *q = *p;

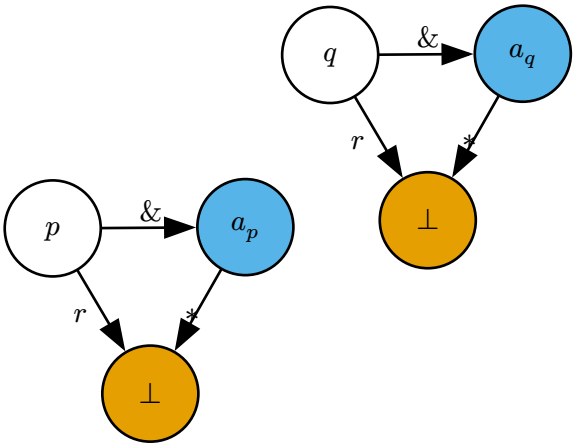


↓ *q = 10;

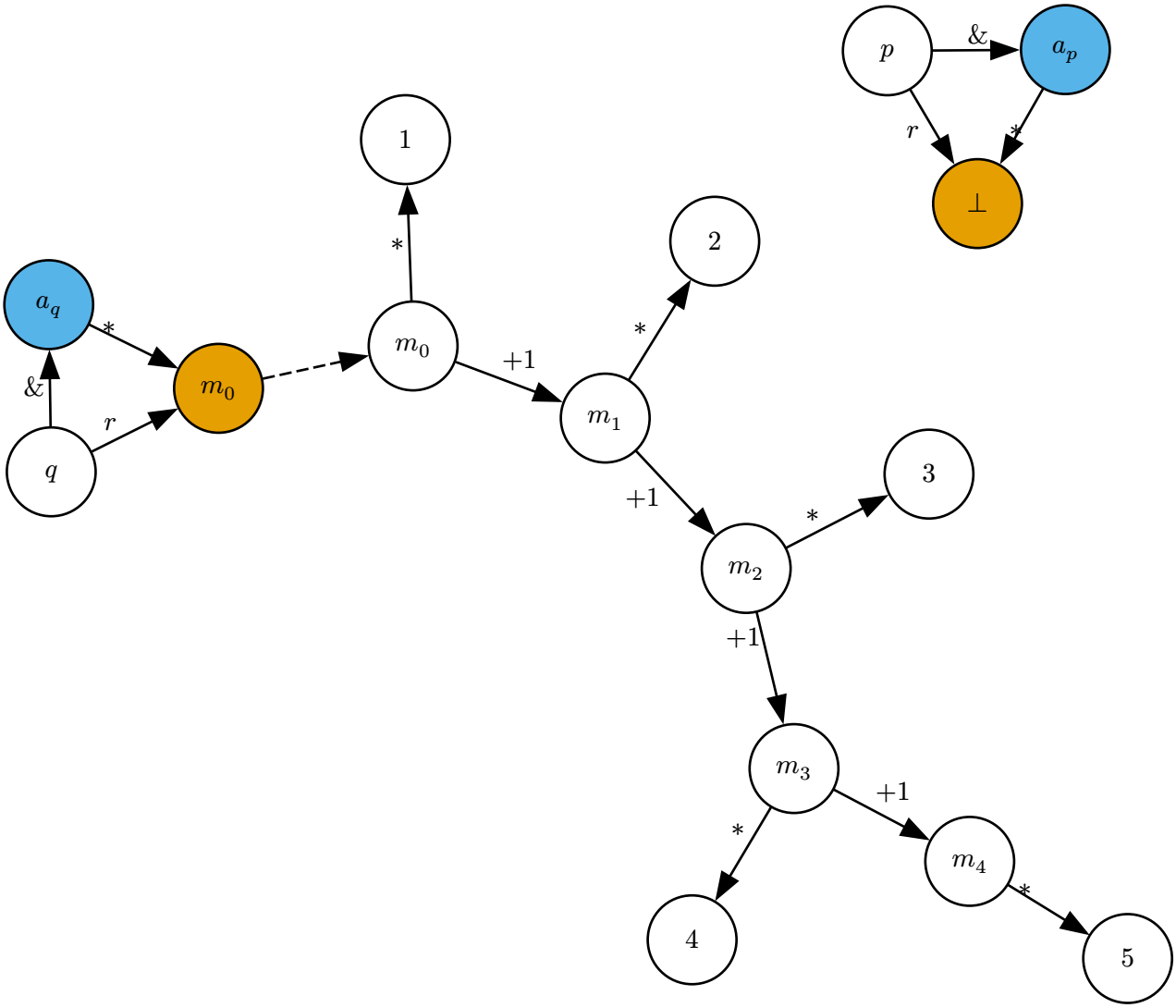


Example 5

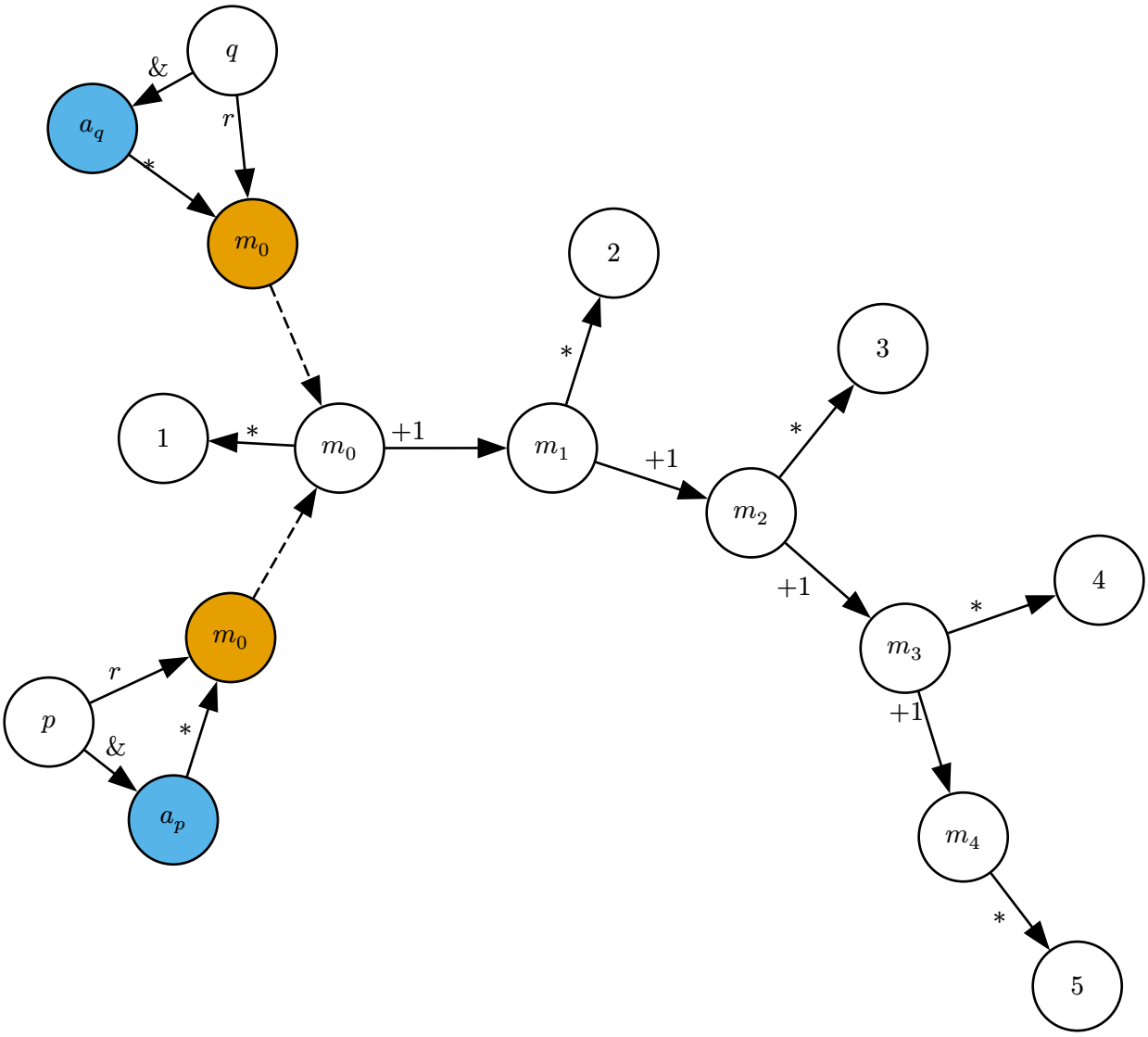
```
int q[] = {1, 2, 3, 4, 5};
int *p = q;
*(p + 2) = *(p + 4);
```



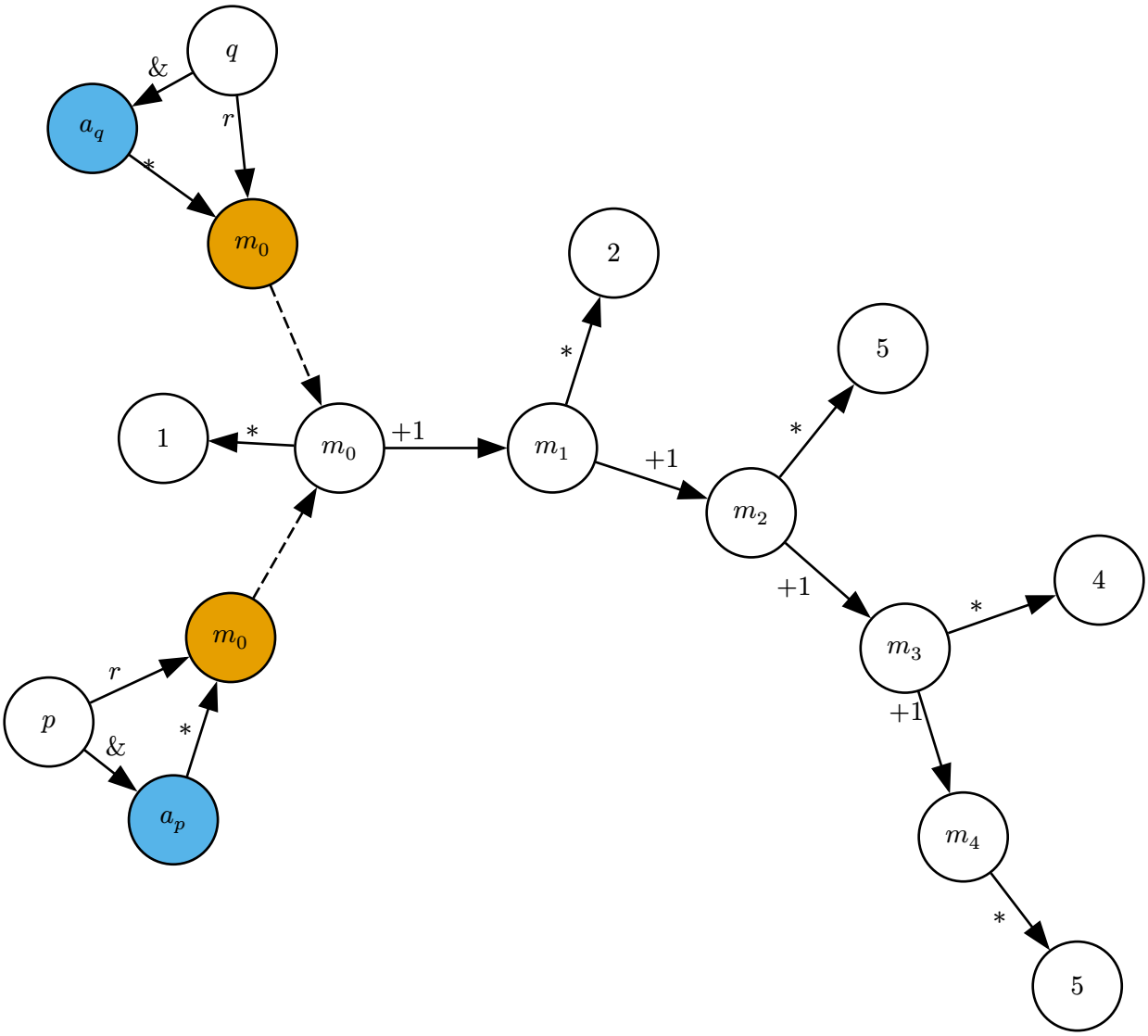
↓ int q[] = {1, 2, 3, 4, 5};



↓ int *p = q;



↓ *(p + 2) = *(p + 4);


q
&
a_q
r
*
m_0
2
*
5
1
*
m_0
+1
m_1
+1
*
m_2
+1
4
*
m_3
+1
m_0
r
p
&
*
a_p
m_4
*
5