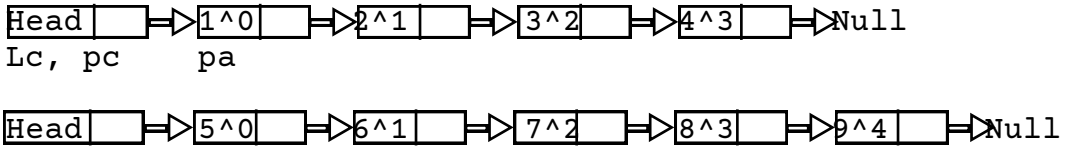
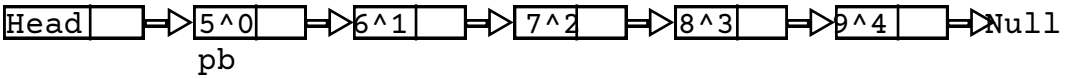
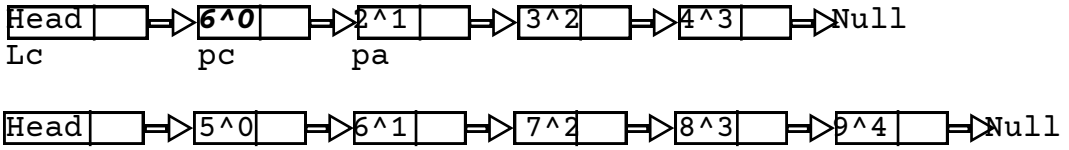
```
Ploy * add_ploy(Ploy * La, Ploy * Lb) {
  Ploy * Lc, * pc, * pa, * pb, * ptr;
  float x;
  Lc = pc = La;
  pa = La -> next;
  pb = Lb -> next;

  while (pa != NULL && pb != NULL) {
    if (pa -> expn < pb -> expn) {
      pc -> next = pa;
      pc = pa;
      pa = pa -> next;
    } else if (pa -> expn > pb -> expn) {
      pc -> next = pb;
      pc = pb;
      pb = pb -> next;
    } else {
      x = pa -> coef + pb -> coef;
      if (fabsf(x) <= 1.0e-6) {
        pa = pa -> next;
        pb = pb -> next;
      } else {
        pc -> next = pa;
        pa -> coef = x;
        pc = pa;
        pa = pa -> next;
        pb = pb -> next;
      }
    }
  }
  if (pa == NULL) pc -> next = pb;
  else pc -> next = pa;
  return (Lc);
}
```

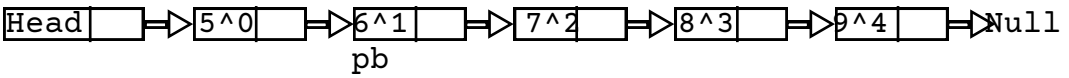
1.





2.





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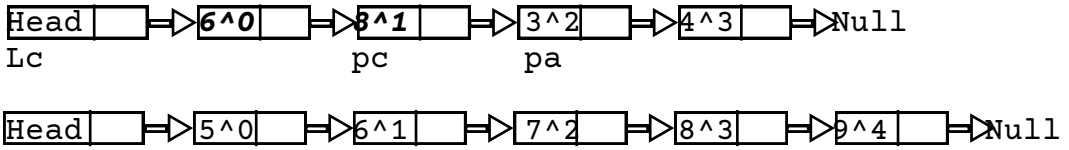

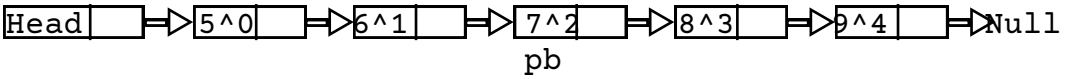

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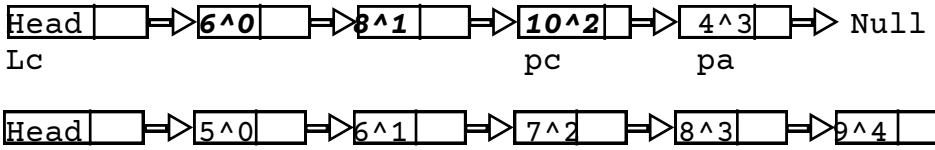

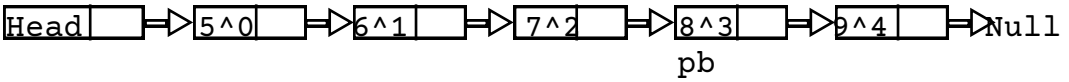

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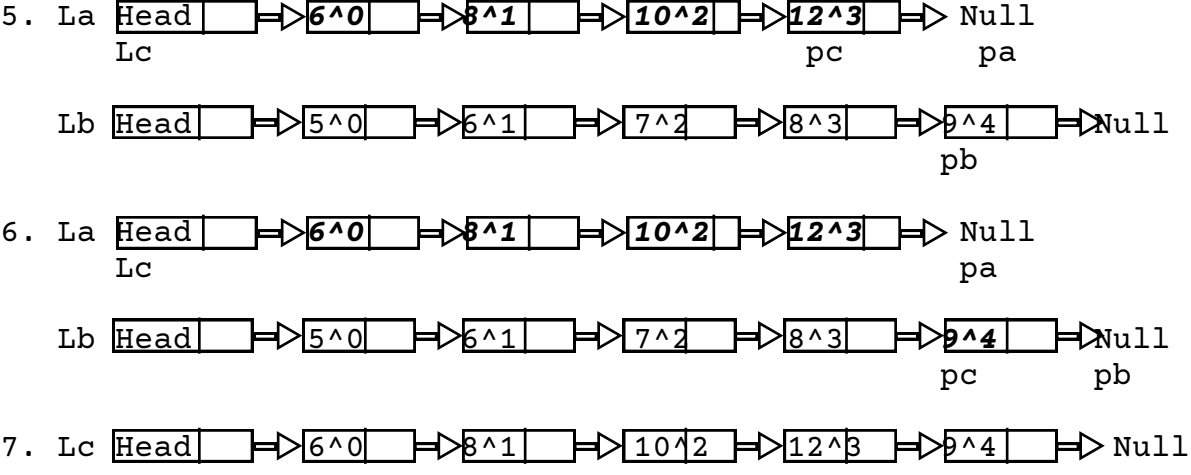
La
Head
6^0
8^1
10^2
12^3
Null
Lc
pc
pa
Lb
Head
5^0
6^1
7^2
8^3
9^4
Null
pb

6.

La
Head
6^0
8^1
10^2
12^3
Null
Lc
pa
Lb
Head
5^0
6^1
7^2
8^3
9^4
Null
pc
pb

7.

Lc
Head
6^0
8^1
10^2
12^3
9^4
Null