

H-Sem

```

* (c1 = en) {
  for (int i = 1; i <= n; i++) {
    snt Upd1(p[i], x);
  }
  return n;
}

for (int i = 1, j = (c1 + 1) * k; i < j; i++) {
}

for (int i = c1 + 1; i <= n; i++) {
  b[i] += x;
}

for (int i = en * k; i <= n; i++) {
  snt Upd1(p[i], x);
}

}

}

// query (int l, int r) {
  // res = snt Get1(l, r);
  for (int i = l; i <= r; i++) {
    res += b[i] * snt Get(i, l, r);
  }
  return res;
}

}

void push (int t) {
  in (! b[t]) {
    return;
  }
  int l = t * k, r = min(n, (t + 1) * k);
  for (int i = l; i <= r; i++) {
    snt Upd1(p[i], b[t]);
  }
  b[t] = 0;
}

}

void exchange (int a, int b) {
  int ca = a / k, cb = b / k;
  if (ca != cb) {
    push(ca);
    push(cb);
    if (p[a] < p[b]) {
      snt Upd(ca, p[a], p[b] - 1, 1);
      snt Upd(cb, p[b] - 1, 1);
    }
  }
}

```