```
dels - points deleted from the set

adds - points added to the set

currpts - points from the previous
pixel that were not deleted

n - total number of points

/* It is assumed here that the new_mean has
already been computed and the state updated
from the deletion of the dels */

transptscnt = 0;
Iterate through currpts:
(iteration variable currpoint)
{
 if ( old_mean <= currpoint <= new_mean )
 {
  below_sum = below_sum +
              (new_mean - currpoint);
  above_sum = above_sum -
              (currpoint - old_mean);
  transptscnt++;
 }
}

above_count = above_count - transptscnt;
above_sum = above_sum - above_count *
           (new_mean - old_mean);
below_sum = below_sum + below_count *
           (new_mean - old_mean);
below_count = below_count + transptscnt;

Iterate through adds and update below_count,
below_sum, above_count, and above_sum;

return ((float)(below_sum + above_sum)) / n;
```