# **AUTOMATICALLY GENERATED LATEX**

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## 0.1 INPUT CODE

### 0.2 CONVERTED LINES

$$average (A[N]) = L_2 (A, N, s, i)$$

$$L_2 (A, N, s, i) = L_3 (A, N, s, i)$$

$$L_3 (A, N, s, i) = L_4 (A, N, 0, i)$$

$$L_4 (A, N, s, i) = F_1 (A, N, s, 1)$$

$$F_1 (A, N, s, i) = \Delta_{i \leq N} (L_5 (A, N, s, i), L_8 (A, N, s, i))$$

$$L_5 (A, N, s, i) = L_6 (A, N, s, i)$$

$$L_6 (A, N, s, i) = L_7 (A, N, s + A_i, i)$$

$$L_7 (A, N, s, i) = F_1 (A, N, s, i + 1)$$

$$L_8 (A, N, s, i) = s/N$$

$$L_9 (A, N, s, i) = \infty$$

# 0.3 SQUISHED LINES

$$average\left(A[N]\right) = F_1\left(A,N,0,1\right)$$
 
$$F_1\left(A,N,s,i\right) = \Delta_{i \leq N}\left(F_1\left(A,N,s+A_i,i+1\right),s/N\right)$$

## 0.4 CONVERTED CODE

```
function average(A[N]) {
    return F1(A,N,0,1);
}
function F1(A,N,s,i) {
    return (i<=N) ? F1(A,N,s + A_{i},i+1) : s / N;
}</pre>
```