

# Integral Images

$\sum_{k \leq i, l \leq j} g(k, l) = ?$

$ii(i, j) = \sum_{k \leq i, l \leq j} g(k, l)$

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# Integral Images

$\sum_{a \leq k \leq b, i \leq l \leq j} g(k, l) = ?$

$\sum_{a \leq k \leq b, i \leq l \leq j} g(k, l) = ii(R) + ii(T) - ii(S) - ii(U)$

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# Integral Images

$$\sum_{3 \leq k \leq 5, 3 \leq l \leq 5} g(k,l) = ii(R) + ii(T) - ii(S) - ii(U)$$

