

box basis 
$$\phi_{\downarrow}(x) = \phi_{\downarrow}(2x-i)$$
 $i = 0, 1, 2... 2^{i-1}$ 

$$= 0 \quad \text{otherwise}$$

$$j = 0$$

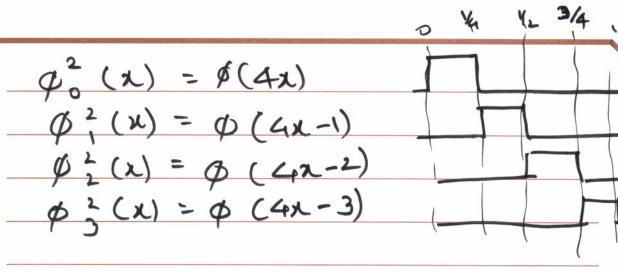
$$\phi_{0}(x) = \phi(x)$$

$$j = 1$$

$$\phi_{0}(x) = \phi(x)$$

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| 2x-1 = 7     | <u> </u> |
|--------------|----------|
| 0 \ y < 1    |          |
| 0 \ 2x-1 < 1 |          |
| 1 x 2x < 2   |          |
| 1/2 < x < 1  |          |
|              |          |



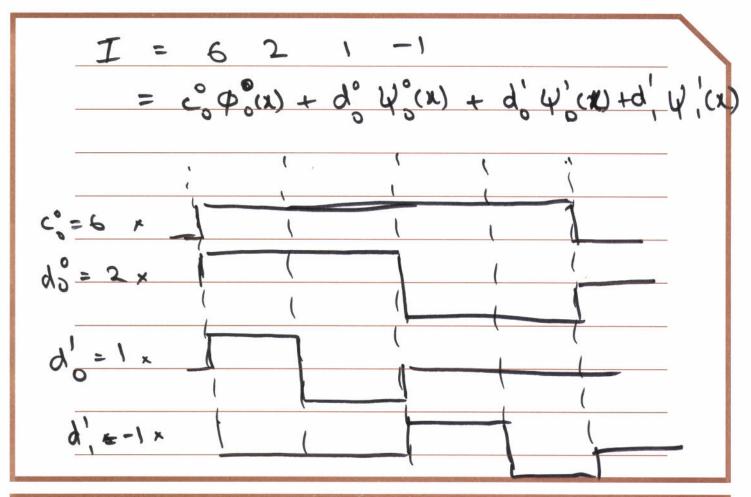
$$9735$$

$$1 = 9 \times 4^{2}(x) + 70^{1}(x) + 30^{2}(x) + 50^{2}(x)$$

Harr function

$$\psi_{(x)} = \psi_{(2|x-i)} = 0$$
 $\psi_{(x)} = 1 \quad 0 \leq x \leq 1/2 \quad 0 \quad 1$ 
 $= -1 \quad 1/2 \leq x \leq 1$ 
 $= 0 \quad \text{otherwise}$ 

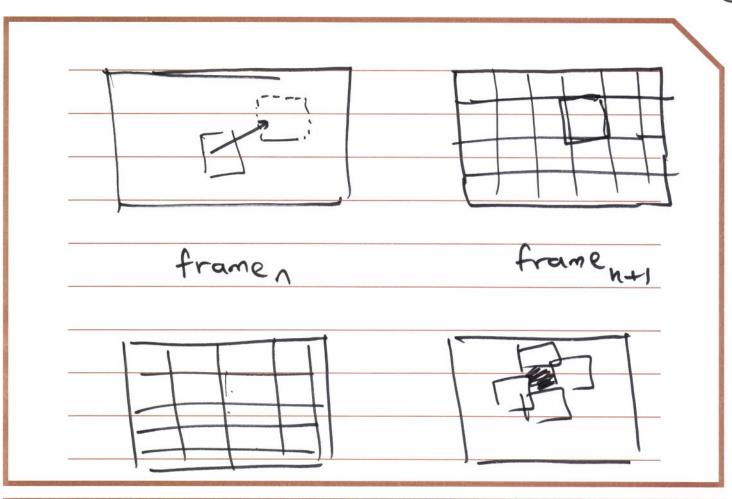
$$\gamma^{\circ}(x) = \gamma(x)$$
 $\gamma^{\circ}(x) = \gamma(2x)$ 
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|   | 9 | 7 | 3 | 5 |  |
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| Video compression   |
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| From frame to frame - pixels change<br>- noise                        |
| - objects move  |
| - camera moves  |
| - lighting changes  |
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| cncij] + cnncij]  |
|   |
| Cn[i+dx,jky]= Cnm[i,j]  Cn[i+dx,jky]= Cnm[i,j]  dx dy = motion vector |
| Cn[i+dx,jky]= & Cnn[i,j]  |



| P= 1 | 2   Cny(P, | 9) - Ln(p-d |
|------|------------|-------------|
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