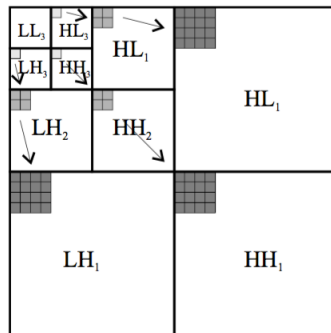
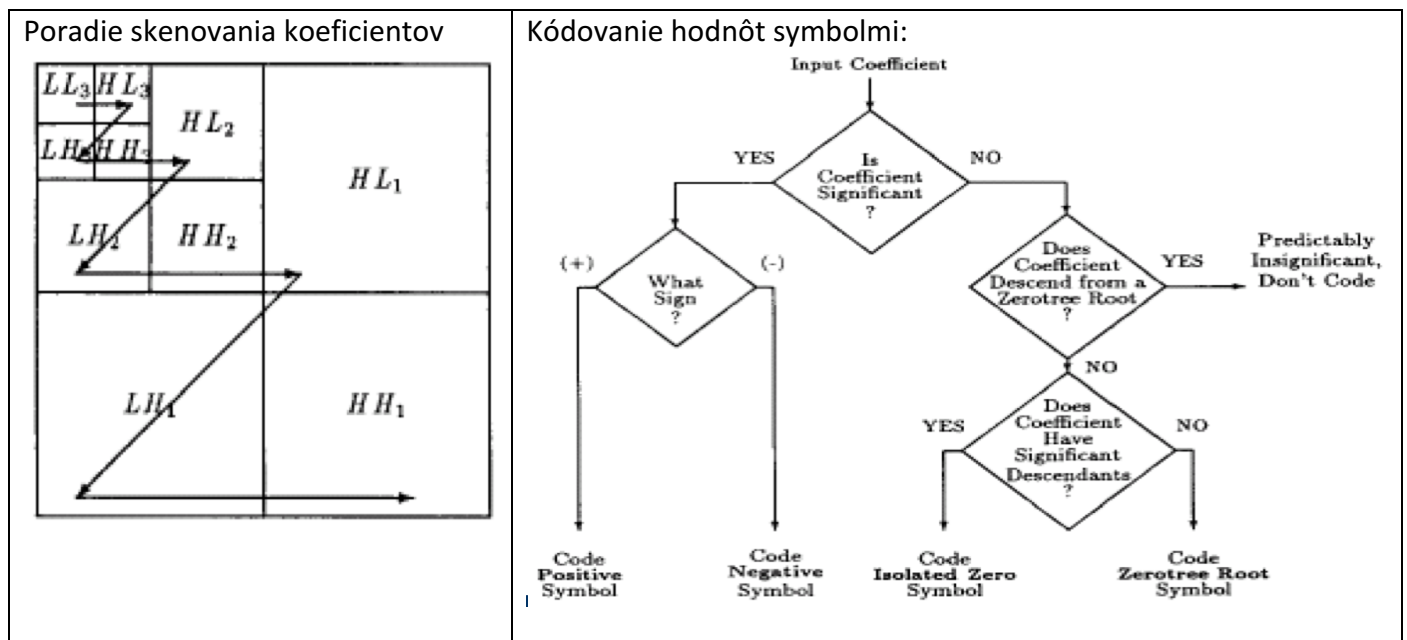


Príklad

Závislost v magnitudách koeficientov:



EZW – embedded zero tree wavelet (Shapiro 1993)



Hlavná slučka enkódera: $T \leftarrow 2^{\lfloor \log_2(\max(Y(x,y))) \rfloor}$ repeat dominantPass(T) if image is color then dominantPass(T) dominantPass(T) end if subordinatePass(T) $T \leftarrow T/2$ until $T = 0$	Dominantný prechod initialize dominant list while dominant list not empty do retrieve and remove coefficient from head of dominant list if coefficient $\neq$ ZTR then scan for next coefficient code coefficient and add to dominant list if coefficient is coded as POS or NEG then add absolute_value(coefficient) to subordinate list set coefficient position in transformed image to 0 end if end if end while	Podriadený prechod while not past end of subordinate list do get next coefficient from subordinate list coefficient $\leftarrow$ coefficient - T if coefficient $\geq T/2$ then output a '1' else output a '0' end if end while
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Príklad:

Vstup (spektrum)								Výstup 1. Dominantného prechodu:					Výstup 1. Podriadeného prechodu																																																																																																																				
63	-34	49	10	7	13	-12	7	<table><thead><tr><th>Comment</th><th>Subband</th><th>Coefficient Value</th><th>Symbol</th><th>Reconstruction Value</th></tr></thead><tbody><tr><td>(1)</td><td>LL3</td><td>63</td><td>POS</td><td>48</td></tr><tr><td></td><td>HL3</td><td>-34</td><td>NEG</td><td>-48</td></tr><tr><td>(2)</td><td>LH3</td><td>-31</td><td>IZ</td><td>0</td></tr><tr><td>(3)</td><td>HH3</td><td>23</td><td>ZTR</td><td>0</td></tr><tr><td></td><td>HL2</td><td>49</td><td>POS</td><td>48</td></tr><tr><td>(4)</td><td>HL2</td><td>10</td><td>ZTR</td><td>0</td></tr><tr><td></td><td>HL2</td><td>14</td><td>ZTR</td><td>0</td></tr><tr><td></td><td>HL2</td><td>-13</td><td>ZTR</td><td>0</td></tr><tr><td></td><td>LH2</td><td>15</td><td>ZTR</td><td>0</td></tr><tr><td>(5)</td><td>LH2</td><td>14</td><td>IZ</td><td>0</td></tr><tr><td></td><td>LH2</td><td>-9</td><td>ZTR</td><td>0</td></tr><tr><td></td><td>LH2</td><td>-7</td><td>ZTR</td><td>0</td></tr><tr><td>(6)</td><td>HL1</td><td>7</td><td>Z</td><td>0</td></tr><tr><td></td><td>HL1</td><td>13</td><td>Z</td><td>0</td></tr><tr><td></td><td>HL1</td><td>3</td><td>Z</td><td>0</td></tr><tr><td></td><td>HL1</td><td>4</td><td>Z</td><td>0</td></tr><tr><td></td><td>LH1</td><td>-1</td><td>Z</td><td>0</td></tr><tr><td>(7)</td><td>LH1</td><td>47</td><td>POS</td><td>48</td></tr><tr><td></td><td>LH1</td><td>-3</td><td>Z</td><td>0</td></tr><tr><td></td><td>LH1</td><td>-2</td><td>Z</td><td>0</td></tr></tbody></table>	Comment	Subband	Coefficient Value	Symbol	Reconstruction Value	(1)	LL3	63	POS	48		HL3	-34	NEG	-48	(2)	LH3	-31	IZ	0	(3)	HH3	23	ZTR	0		HL2	49	POS	48	(4)	HL2	10	ZTR	0		HL2	14	ZTR	0		HL2	-13	ZTR	0		LH2	15	ZTR	0	(5)	LH2	14	IZ	0		LH2	-9	ZTR	0		LH2	-7	ZTR	0	(6)	HL1	7	Z	0		HL1	13	Z	0		HL1	3	Z	0		HL1	4	Z	0		LH1	-1	Z	0	(7)	LH1	47	POS	48		LH1	-3	Z	0		LH1	-2	Z	0	<table><thead><tr><th>Coefficient Magnitude</th><th>Symbol</th><th>Reconstruction Magnitude</th></tr></thead><tbody><tr><td>63</td><td>1</td><td>56</td></tr><tr><td>34</td><td>0</td><td>40</td></tr><tr><td>49</td><td>1</td><td>56</td></tr><tr><td>47</td><td>0</td><td>40</td></tr></tbody></table>	Coefficient Magnitude	Symbol	Reconstruction Magnitude	63	1	56	34	0	40	49	1	56	47	0	40
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	HL2	49	POS	48																																																																																																																													
(4)	HL2	10	ZTR	0																																																																																																																													
	HL2	14	ZTR	0																																																																																																																													
	HL2	-13	ZTR	0																																																																																																																													
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(5)	LH2	14	IZ	0																																																																																																																													
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15	14	3	-12	5	-7	3	9																																																																																																																										
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3	0	-3	2	3	-2	0	4																																																																																																																										
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5	11	5	6	0	3	-4	4																																																																																																																										

Aký by bol kompletný výstup, keby bol vstup len 4x4?

63	-34	49	10
-31	23	14	-13
15	14	3	-12
-9	-7	-14	8