- 3.33 a) DCT-I ´ SDCT DCT-II ´ EDCT DCT-III^T (Transposed) ´ DCT-II DCT-IV is a shifted version of the SDCT
 - b) The relations derived i a) gives the kernel K for the inverse transforms.

IDCT–I	,	$K_{DCT-I}^{\mathrm{T}} = K_{DCT-I}$
IDCT-II	1	$K_{DCT-II}^{T} = K_{DCT-III}$
IDCT-III	,	$K_{DCT-III}^{T} = K_{DCT-II}$
IDCT-IV	1	$K_{DCT-IV}^{T} = K_{DCT-IV}$