name	set	sequence of crossed edges
needle	N_1, N_2, N_3	$\{a,c\}$
a-hook	H_a	$\mid \{a,b\}$
c-hook	H_c	$ \{b,c\}$
a-arrow	A_a	$ \mid \{a,c\},\{a,b\} $
c-arrow	A_c	$ \mid \{a,c\},\{b,c\} $
a-sickle	S_a	$ \mid \{a,b\}, \{a,c\} $
c-sickle	S_c	$ \{b,c\},\{a,c\}$
clockwise triangle-crossing	C	$\{a,c\},\{b,c\},\{a,b\}$
counterclockwise triangle-crossing	CC	$\{a,c\},\{a,b\},\{b,c\}$