Substrate	a	a	a	a c	a c	c	c	a
	$a_s = ra_f$ or $a_s = r\sqrt{2}a_f$			$a_s = ra_f$ or $a_s = r\sqrt{2}a_f$				
a		$a_s = ra_f$			$a_s = ra_f$ and $\sqrt{2}a_s = rc_f$		$a_s = r\sqrt{3}a_f$ and $\sqrt{2}a_s = rc_f$	$a_s = ra_f$ and $\sqrt{2}a_s = r\sqrt{c_f^2 + 3a_f^2}$
a			$a_s = ra_f$			$\sqrt{2}a_s = ra_f$		
	$a_s = ra_f$ or $a_s = r\sqrt{2}a_f$			$a_s = ra_f$ or $a_s = r\sqrt{2}a_f$				
c		$a_s = ra_f$ and $c_s = r\sqrt{2}a_f$			$a_s = ra_f$ and $c_s = rc_f$		$a_s = r\sqrt{3}a_f$ and $c_s = rc_f$	$a_s = ra_f$ and $c_s = r\sqrt{c_f^2 + 3a_f^2}$
c			$a_s = r\sqrt{2}a_f$			$a_s = ra_f$		
c		$ \sqrt{3}a_s = ra_f $ and $ c_f = r\sqrt{2}a_f $					$a_s = ra_f$ and $c_s = rc_f$	
c		$\begin{vmatrix} a_s = ra_f \\ \text{or} \\ \sqrt{c_s^2 + 3a_s^2} = 0 \end{vmatrix}$	$=r\sqrt{2}a_f$		$\begin{vmatrix} a_s = ra_f \\ \text{and} \\ \sqrt{c_s^2 + 3a_s^3} = 0 \end{vmatrix}$	$= rc_f$	$\begin{vmatrix} a_s = r\sqrt{3}a_f \\ \text{and} \\ \sqrt{c_s^2 + 3a_s^2} = 0 \end{vmatrix}$	$\begin{vmatrix} a_s = ra_f \\ \text{and} \\ c_s = rc_f \end{vmatrix} c_s = rc_f$