					Start $X \sim N(5,9)$ $Y \sim N(3,16)$ $W \sim N(4,25)$ $X+X\sim ?$
<i>X+X+X</i> ~?	N(15,81)	3 <i>X</i> ∼?	N(10,36)	2 <i>X</i> ~?	N(10,18)
N(15,27)					
$Y+Y\sim$ ?					
N(6,32)	2 <i>Y</i> ~?	N(6,64)	3 <i>Y</i> ∼?	N(9,144)	2 <i>W</i> ~?
					N(8,100)
					$W+W\sim$ ?
$X+Y\sim$ ?	N(-1,34)	$W-X\sim$ ?	N(9,34)	$W+X\sim$ ?	N(8,50)

						N(8,25)
$N(12,50)$ $W-X+Y\sim?$ $N(2,50)$ $2X-W\sim?$ $N(6,61)$ $X-2W\sim?$ $N(-3,109)$ $X+2Y-W\sim?$ $N(7,98)$						$X-Y\sim ?$
$N(2,50)$ $2X-W\sim?$ $N(6,61)$ $X-2W\sim?$ $N(-3,109)$ $X+2Y-W\sim?$ $N(7,98)$	$W+X+Y\sim$ ?	N(1,34)	$X-W\sim$ ?	N(-2,25)	$Y-X\sim$ ?	N(2,25)
$N(2,50)$ $2X-W\sim?$ $N(6,61)$ $X-2W\sim?$ $N(-3,109)$ $X+2Y-W\sim?$ $N(7,98)$	N(12,50)					
N(7,98)	$W-X+Y\sim$ ?					
	N(2,50)	$2X - W \sim ?$	N(6,61)	$X-2W\sim$ ?	<i>N</i> (-3,109)	$X+2Y-W\sim ?$
X is at least twiceY ⇒						N(7,98)
						$X$ is at least twice $Y \Rightarrow$
End $X-4Y<0$ a quarter of X is less than Y $\Rightarrow$ $2X-Y>0$ X is more than half of Y $\Rightarrow$ $X-2Y>0$						