Table # initial

pots:
pot #0:
new:
all:

		x_0	x_1	x_2	x_3	x_4	x_5
x_2	24	a	4	1	0	0	0
x_3	6	1	b	0	1	0	0
x_4	1	-1	1	0	0	1	0
x_5	2	0	1	0	0	0	1
Ψ	0	-5.0	-4.0	0	0	0	0

Table #0
Moving out basis: x_2 from line: 0
Moving to basis: x_0

pots:
pot #0:
new:
symbol a : $(4, \infty)$
all:
symbol a : $(4, \infty)$

		x_0	x_1	x_2	x_3	x_4	x_5
x_0	$\frac{24}{a}$	1	$\frac{4}{a}$	$\frac{1}{a}$	0	0	0
x_3	$6 - \frac{24}{a}$	0	$b - \frac{4}{a}$	$-\frac{1}{a}$	1	0	0
x_4	$\frac{1}{a}(a + 24)$	0	$\frac{1}{a}(a + 4)$	$\frac{1}{a}$	0	1	0
x_5	2	0	1	0	0	0	1
Ψ	$\frac{120.0}{a}$	0	$-4.0 + \frac{20.0}{a}$	$\frac{5.0}{a}$	0	0	0

Table #0.1
Moving out basis: x_3 from line: 1
Moving to basis: x_1

pots:
pot #0:
new:
symbol b : $[1, \infty)$
symbol a : $(5, \infty)$
$ab - 4 > 0$
$ab - 6a + 24b - 4 > 0$
$ab - 3a + 8 > 0$
all:
symbol b : $[1, \infty)$
symbol a : $(5, \infty)$
$ab - 4 > 0$
$ab - 6a + 24b - 4 > 0$
$ab - 3a + 8 > 0$

		x_0	x_1	x_2	x_3	x_4	x_5
x_0	$\frac{24b-24}{ab-4}$	1	0	$\frac{b}{ab-4}$	$-\frac{4}{ab-4}$	0	0
x_1	$\frac{6a-24}{ab-4}$	0	1	$-\frac{1}{ab-4}$	$\frac{a}{ab-4}$	0	0
x_4	$\frac{1}{ab-4}(ab - 6a + 24b - 4)$	0	0	$\frac{b+1}{ab-4}$	$-\frac{a+4}{ab-4}$	1	0
x_5	$\frac{2ab-6a+16}{ab-4}$	0	0	$\frac{1}{ab-4}$	$-\frac{a}{ab-4}$	0	1
Ψ	$\frac{24.0a+120.0b-216.0}{1.0ab-4.0}$	0	0	$\frac{5.0b-4.0}{1.0ab-4.0}$	$\frac{4.0a-20.0}{ab-4}$	0	0

Solution:
$x_0 = \frac{24b-24}{ab-4}$
$x_1 = \frac{6a-24}{ab-4}$
$x_2 = 0$
$x_3 = 0$
$x_4 = \frac{1}{ab-4}(ab - 6a + 24b - 4)$
$x_5 = \frac{2ab-6a+16}{ab-4}$
$\Psi = \frac{24.0a+120.0b-216.0}{1.0ab-4.0}$

Table #0.2
Moving out basis: x_4 from line: 2
Moving to basis: x_1

pots:
pot #0:
new:
symbol $a : (16, \infty)$
$ab - 4 > 0$
$-ab + 6a - 24b + 4 \geqslant 0$
all:
symbol $a : (16, \infty)$
$ab - 4 > 0$
$-ab + 6a - 24b + 4 \geqslant 0$
pot #1:
new:
symbol $a : (16, \infty)$
$-ab + 4 \geqslant 0$
all:
symbol $a : (16, \infty)$
$-ab + 4 \geqslant 0$

		x_0	x_1	x_2	x_3	x_4	x_5
x_0	$\frac{20}{a+4}$	1	0	$\frac{1}{a+4}$	0	$-\frac{4}{a+4}$	0
x_3	$\frac{1}{a+4}(-ab+6a-24b+4)$	0	0	$-\frac{b+1}{a+4}$	1	$\frac{-ab+4}{a+4}$	0
x_1	$\frac{a+24}{a+4}$	0	1	$\frac{1}{a+4}$	0	$\frac{a}{a+4}$	0
x_5	$\frac{a-16}{a+4}$	0	0	$-\frac{1}{a+4}$	0	$-\frac{a}{a+4}$	1
Ψ	$\frac{4.0a+196.0}{1.0a+4.0}$	0	0	$\frac{9.0}{a+4}$	0	$\frac{4.0a-20.0}{a+4}$	0

Solution:
$x_0 = \frac{20}{a+4}$
$x_1 = \frac{a+24}{a+4}$
$x_2 = 0$
$x_3 = \frac{1}{a+4}(-ab+6a-24b+4)$
$x_4 = 0$
$x_5 = \frac{a-16}{a+4}$
$\Psi = \frac{4.0a+196.0}{1.0a+4.0}$

Table #0.3
Moving out basis: x_5 from line: 3
Moving to basis: x_1

pots:
pot #0:
new:
symbol a : $(5, 16]$
$ab - 4 > 0$
$-ab + 3a - 8 \geqslant 0$
all:
symbol a : $(5, 16]$
$ab - 4 > 0$
$-ab + 3a - 8 \geqslant 0$
pot #1:
new:
symbol a : $(5, 16]$
$-ab + 4 \geqslant 0$
all:
symbol a : $(5, 16]$
$-ab + 4 \geqslant 0$

		x_0	x_1	x_2	x_3	x_4	x_5
x_0	$\frac{16}{a}$	1	0	$\frac{1}{a}$	0	0	$-\frac{4}{a}$
x_3	$-2b + 6 - \frac{16}{a}$	0	0	$-\frac{1}{a}$	1	0	$-b + \frac{4}{a}$
x_4	$\frac{1}{a}(-a + 16)$	0	0	$\frac{1}{a}$	0	1	$-\frac{1}{a}(a + 4)$
x_1	2	0	1	0	0	0	1
Ψ	$8.0 + \frac{80.0}{a}$	0	0	$\frac{5.0}{a}$	0	0	$4.0 - \frac{20.0}{a}$

Solution:
$x_0 = \frac{16}{a}$
$x_1 = 2$
$x_2 = 0$
$x_3 = -2b + 6 - \frac{16}{a}$
$x_4 = \frac{1}{a}(-a + 16)$
$x_5 = 0$
$\Psi = 8.0 + \frac{80.0}{a}$

Table #0.-1

pots:
pot #0:
new:
symbol a : $(4, 5]$
all:
symbol a : $(4, 5]$

		x_0	x_1	x_2	x_3	x_4	x_5
x_0	$\frac{24}{a}$	1	$\frac{4}{a}$	$\frac{1}{a}$	0	0	0
x_3	$6 - \frac{24}{a}$	0	$b - \frac{4}{a}$	$-\frac{1}{a}$	1	0	0
x_4	$\frac{1}{a}(a + 24)$	0	$\frac{1}{a}(a + 4)$	$\frac{1}{a}$	0	1	0
x_5	2	0	1	0	0	0	1
Ψ	$\frac{120.0}{a}$	0	$-4.0 + \frac{20.0}{a}$	$\frac{5.0}{a}$	0	0	0

Solution:
$x_0 = \frac{24}{a}$
$x_1 = 0$
$x_2 = 0$
$x_3 = 6 - \frac{24}{a}$
$x_4 = \frac{1}{a}(a + 24)$
$x_5 = 2$
$\Psi = \frac{120.0}{a}$

Table #1
Moving out basis: x_3 from line: 1
Moving to basis: x_0

pots:
pot #0:
new:
symbol a : $(0, 4]$
all:
symbol a : $(0, 4]$
pot #1:
new:
symbol a : $(-\infty, 0]$
all:
symbol a : $(-\infty, 0]$

		x_0	x_1	x_2	x_3	x_4	x_5
x_2	$-6a + 24$	0	$-ab + 4$	1	$-a$	0	0
x_0	6	1	b	0	1	0	0
x_4	7	0	$b + 1$	0	1	1	0
x_5	2	0	1	0	0	0	1
Ψ	30.0	0	$5.0b - 4.0$	0	5.0	0	0

Table #1.0
Moving out basis: x_2 from line: 0
Moving to basis: x_1

pots:
pot #0:
new:
symbol b : $(0, 4/5)$
$-ab + 4 > 0$
$-ab + 6a - 24b + 4 > 0$
$-ab + 3a - 8 > 0$
all:
symbol b : $(0, 4/5)$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$-ab + 6a - 24b + 4 > 0$
$-ab + 3a - 8 > 0$
pot #1:
new:
symbol b : $(-1, 0]$
$-ab + 4 > 0$
$-ab + 6a - 24b + 4 > 0$
$-ab + 3a - 8 > 0$
all:
symbol b : $(-1, 0]$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$-ab + 6a - 24b + 4 > 0$
$-ab + 3a - 8 > 0$
pot #2:
new:
symbol b : $(-\infty, -1]$
$-ab + 4 > 0$
$-ab + 3a - 8 > 0$
all:
symbol b : $(-\infty, -1]$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$-ab + 3a - 8 > 0$

		x_0	x_1	x_2	x_3	x_4	x_5
x_1	$\frac{6a-24}{ab-4}$	0	1	$-\frac{1}{ab-4}$	$\frac{a}{ab-4}$	0	0
x_0	$\frac{24b-24}{ab-4}$	1	0	$\frac{b}{ab-4}$	$-\frac{4}{ab-4}$	0	0
x_4	$\frac{1}{ab-4}\left(ab - 6a + 24b - 4\right)$	0	0	$\frac{b+1}{ab-4}$	$-\frac{a+4}{ab-4}$	1	0
x_5	$\frac{2ab-6a+16}{ab-4}$	0	0	$\frac{1}{ab-4}$	$-\frac{a}{ab-4}$	0	1
Ψ	$\frac{24.0a+120.0b-216.0}{1.0ab-4.0}$	0	0	$\frac{5.0b-4.0}{ab-4}$	$\frac{4.0a-20.0}{1.0ab-4.0}$	0	0

Solution:
$x_0 = \frac{24b-24}{ab-4}$

$x_1 = \frac{6a-24}{ab-4}$
$x_2 = 0$
$x_3 = 0$
$x_4 = \frac{1}{ab-4}\left(ab - 6a + 24b - 4\right)$
$x_5 = \frac{2ab-6a+16}{ab-4}$
$\Psi = \frac{24.0a+120.0b-216.0}{1.0ab-4.0}$

Table #1.3
Moving out basis: x_5 from line: 3
Moving to basis: x_1

pots:
pot #0:
new:
symbol b : $(0, 4/5)$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
all:
symbol b : $(0, 4/5)$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #1:
new:
symbol b : $(-1, 0]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
all:
symbol b : $(-1, 0]$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #2:
new:
symbol b : $(-\infty, -1]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
all:
symbol b : $(-\infty, -1]$
symbol a : $(0, 4]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #3:
new:
symbol b : $(0, 4/5)$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
all:
symbol b : $(0, 4/5)$
symbol a : $(-\infty, 0]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #4:
new:
symbol b : $(-1, 0]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$

all:
symbol b : $(-1, 0]$
symbol a : $(-\infty, 0]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #5:
new:
symbol b : $(-\infty, -1]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
all:
symbol b : $(-\infty, -1]$
symbol a : $(-\infty, 0]$
$-ab + 4 > 0$
$ab - 3a + 8 \geqslant 0$
pot #6:
new:
symbol b : $(0, 4/5)$
$ab - 4 \geqslant 0$
all:
symbol b : $(0, 4/5)$
symbol a : $(-\infty, 0]$
$ab - 4 \geqslant 0$
pot #7:
new:
symbol b : $(-1, 0]$
$ab - 4 \geqslant 0$
all:
symbol b : $(-1, 0]$
symbol a : $(-\infty, 0]$
$ab - 4 \geqslant 0$
pot #8:
new:
symbol b : $(-\infty, -1]$
$ab - 4 \geqslant 0$
all:
symbol b : $(-\infty, -1]$
symbol a : $(-\infty, 0]$
$ab - 4 \geqslant 0$

		x_0	x_1	x_2	x_3	x_4	x_5
x_2	$2ab - 6a + 16$	0	0	1	$-a$	0	$ab - 4$
x_0	$-2b + 6$	1	0	0	1	0	$-b$
x_4	$-2b + 5$	0	0	0	1	1	$-b - 1$
x_1	2	0	1	0	0	0	1
Ψ	$-10.0b + 38.0$	0	0	0	5.0	0	$-5.0b + 4.0$

Solution:
$x_0 = -2b + 6$

$x_1 = 2$
$x_2 = 2ab - 6a + 16$
$x_3 = 0$
$x_4 = -2b + 5$
$x_5 = 0$
$\Psi = -10.0b + 38.0$

Table #1.-1

pots:
pot #0:
new:
symbol b : $[4/5, \infty)$
all:
symbol b : $[4/5, \infty)$
symbol a : $(0, 4]$
pot #1:
new:
symbol b : $[4/5, \infty)$
all:
symbol b : $[4/5, \infty)$
symbol a : $(-\infty, 0]$

		x_0	x_1	x_2	x_3	x_4	x_5
x_2	$-6a + 24$	0	$-ab + 4$	1	$-a$	0	0
x_0	6	1	b	0	1	0	0
x_4	7	0	$b + 1$	0	1	1	0
x_5	2	0	1	0	0	0	1
Ψ	30.0	0	$5.0b - 4.0$	0	5.0	0	0

Solution:
$x_0 = 6$
$x_1 = 0$
$x_2 = -6a + 24$
$x_3 = 0$
$x_4 = 7$
$x_5 = 2$
$\Psi = 30.0$