

Cell	Name	Final Value	Reduced Cost	Objective Coefficient	Allowable Increase	Allowable Decrease
\$E\$8	Whole	5	(a)	2	0.5	0.5
\$F\$8	Oatrye	120	(b)	2.5	1E+30	0.5
\$G\$8	White	0	-0.5	1.5	(c)	(d)

Cell	Name	Final Value	Shadow Price	Constraint R.H. Side	Allowable Increase	Allowable Decrease
\$H\$13	Whole LHS	5	0	120	(e)	(f)
\$H\$14	White LHS	90	0	100	(g)	(h)
\$H\$15	Rye LHS	30	0	50	(i)	(j)
\$H\$16	Oatmeal LHS	30	2	30	1.25	28.75
\$H\$17	Yeast LHS	125	0	140	(k)	(l)
\$H\$18	OVEN LHS	125	2	125	15	5

Cell	Name	Final Value
\$B\$18	Value	(m)

Cell	Name	Final Value
\$E\$8	Whole	(n)
\$F\$8	Oatrye	(o)
\$G\$8	White	(p)

Cell	Name	Cell Value	Formula	Status	Slack
\$H\$13	Whole LHS	(q)	\$H\$13<=\$J\$13	(r)	(s)
\$H\$14	White LHS	(t)	\$H\$14<=\$J\$14	(u)	(v)
\$H\$15	Rye LHS	(w)	\$H\$15<=\$J\$15	(x)	(y)
\$H\$16	Oatmeal LHS	(z)	\$H\$16<=\$J\$16	(aa)	(bb)
\$H\$17	Yeast LHS	(cc)	\$H\$17<=\$J\$17	(dd)	(ee)
\$H\$18	OVEN LHS	(ff)	\$H\$18<=\$J\$18	(gg)	(hh)
\$E\$8	Whole	(ii)	\$E\$8>=0	(jj)	(kk)
\$F\$8	Oatrye	(ll)	\$F\$8>=0	(mm)	(nn)
\$G\$8	White	(oo)	\$G\$8>=0	(pp)	(qq)

- (a) Since final value is positive.
- (b) Since final value is positive.
- (c) Negative of reduced cost.
- (d) Since not in basis.
- (e) Since constraint has slack.
- (f) Amount of slack.
- (g) Since constraint has slack.
- (h) Amount of slack.
- (i) Since constraint has slack.
- (j) Amount of slack.
- (k) Since constraint has slack.
- (l) Amount of slack.
- (m) You know objective function coefficients and solution.
- (n) Given above (in sensitivity report).
- (o) Given above.
- (p) Given above.
- (q) Given above (in second part of sensitivity report).
- (r) Since you know value and right hand side.
- (s) As in (r).
- (t) Given above (in second part of sensitivity report).
- (u) Since you know value and right hand side.
- (v) As in (u).
- (w) Given above (in second part of sensitivity report).
- (x) Since you know value and right hand side.
- (y) As in (x).
- (z) Given above.
- (aa) Since you know RHS.
- (bb) From (aa).
- (cc)-(hh) As above
- (ii)-(qq) As above (recognize these as non-negativity constraints).