

123456	Ab	462351	Gb	123465	Kl	234651	B1	123465	Fg	642351	Lg	123456	Ap	324651	Kp
135462	Gd	235641	Fd	135426	Bn	235641	An	132654	Li	653241	Ki	136254	Kp	632541	Ep
123546	Fe	243561	He	123564	Ao	423561	Co	123546	Kj	532461	Mj	165432	Eb	436251	Pb
145632	Hp	642351	Rp	146532	Cb	234651	Rb	145623	Mg	324651	Eg	126345	Pa	325641	Pa
162435	Rc	654231	Ic	162435	Rm	562431	Dm	163542	Eh	652431	Nh	132564	Pe	345261	Le
156243	Id	256341	Pd	153426	Dn	256341	Qn	153426	Ni	365241	Qi	142563	Lr	526431	Or
126534	Pc	264531	Oc	126534	Qm	625431	Jm	126534	Qh	265431	Eh	165342	Oq	463251	Qq
162354	Oa	564321	Ia	164532	Jk	654321	Dk	162345	Ef	654321	Nf	146235	Qj	624531	Rj
154362	Ir	234561	Mr	152634	Do	452361	Ho	152634	Nr	234561	Cr	154623	Ra	456321	Pa
143652	Mc	452631	Nc	143625	Hm	546231	Im	146325	Ch	456231	Dh	145632	Pr	652431	Kr
153264	Np	356421	Gp	154623	Ip	356421	Bp	153264	Dq	356421	Pq	163425	Er	542631	Fr
132645	Ge	324561	Ke	132654	Bo	234561	Fo	135462	Pj	543261	Aj	125436	Fr	543261	Qr
124563	Kc	256431	Dc	124563	Fm	524631	Nm	124536	Ah	254631	Ih	134526	Qf	356421	Rf
153642	De	523461	Ae	153642	No	253461	Be	152463	Ij	435261	Fj	154362	Ro	354261	Qo
123456	Ad	426351	Hd	123465	Kn	426351	Cn	123465	Fi	362451	Mi	132456	Qq	432651	Fq
146523	Ha	542361	Ia	145623	Ck	452361	Dk	146532	Mf	452361	Nf	146352	Fp	643521	Jp
152364	Ic	532641	Gc	156432	Dm	356241	Bm	132546	Lf	354261	Df	136425	Ql	346521	Pl
134652	Ga	534261	Na	134625	Bk	354261	Ik	132546	Lf	354261	Df	143562	Pr	532461	Qr
156324	Nb	245631	Jb	154236	Il	562431	El	156324	Dg	425631	Og	123546	Qp	523641	Jp
165234	Jc	635241	Bc	164352	Em	362541	Bm	164325	Oh	632541	Bh	152346	Jr	342561	Ar
134256	Bq	635421	Rq	134265	Go	436521	Ho	134256	Bj	563421	Cj	123456			
165342	Rl	652341	Rl	145263	Hn	346251	Bn	142563	Ci	264351	Li				
152634	Rr	246531	Rr	135264	Bo	534621	No	136452	Lj	643521	Ij				
165423	Rk	654321	Rk	152634	Nk	524361	Fk	154362	If	524361	Af				
153642	Rq	352641	Lq	124563	Fl	245631	Cl	124536	Ag	652431	Mg				
135642	Le	346521	Me	143265	Co	643521	Cj	142356	Mj	534621	Ej				
145236	Md	346251	Gd	165423	Jl	642531	Hl	163254	Eg	526431	Cg				
135246	Ge	354621	De	146352	Hk	435261	Lk	143652	Cf	435261	Gf				
152634	Da	254361	Ka	134562	Lo	635421	Gm	136254	Gj	453621	Oj				
124563	Kb	562431	Hb	165243	En	264351	An	165234	Oi	346251	Ki				
142365	He	463521	Oe	126435	Ab	452631	Eb	126453	Kl	264531	Ol				
163245	Ob	256431	Me	165324	Ed	362451	Bd	165342	On	362451	Ln				
146325	Ma	345261	Ba	135426	Bc	325641	Ac	132654	Lm	236541	Km				
136245	Be	365421	Je	123564	Aa	324561	La	123546	Kk	234561	Gk				
164325	Jd	264351	Fd	132465	Ld	236451	Kd	136542	Gn	236451	Fn				
126453	Fg	542631	Jg	123654	Kd	625341	Jd	123654	Fn	625341	En				
162435	Ji	426351	Gi	165342	Ja	365421	Qa	162453	Ek	635421	Gk				
135462	Gh	326541	Fh	136542	Qd	632541	Rd	132456	Gn	632541	On				
123546	Ff	234561	Bf	165234	Rc	642531	Hc	163452	Om	465231	Cm				
136524	Bi	463251	Ai	142365	Hq	345621	Bq	143265	Cp	345621	Lp				
123645	Al	352641	Ol	132546	Bb	423651	Eq	134625	Ll	364251	Ol				
162435	Of	635421	Pf	162534	Ea	463521	Ca	162543	Ok	643521	Mk				
136542	Pi	523641	Ri	142635	Cr	253461	Br	146253	Mo	342561	Po				
165234	Rh	645231	Mh	136452	Bd	536241	Nd	135246	Pn	536241	In				
142356	Mq	345621	Gq	154623	Nr	423561	Lr	153264	Ie	534261	Ge				
132564	Gg	243651	Jg	132465	Lb	263451	Cb	136542	Gl	342651	Ml				
163452	Jf	643521	Hf	145362	Cc	426531	Cc	143526	Mm	245631	Pm				
146235	Hr	253461	Gr	126453	Qb	632451	Mb	126453	Pp	426351	Cp				
136425	Gi	263541	Di	142563	Mp	546321	Dp	145236	Cq	546321	Nq				
154623	Dr	423561	Br	152463	Dd	653241	Od	152463	Nn	653241	Rn				
136524	Bg	623451	Hg	165423	Op	264351	Lp	162354	Rg	346251	Qg				
143562	Hh	425631	Ph	126354	Lc	265341	Ec	126345	Qm	623541	Om				
126453	Pk	243651	Qk	162453	Ee	653421	Ne	162435	Oo	563421	Io				
142365	Qe	453261	Re	152463	Nc	563241	Oc	153642	Im	652341	Jm				
154236	Rr	462531	Pp	165423	Od	463251	Cd	163245	Jn	463251	Mn				
126453	Pg	362451	Cg	145362	Cb	264531	Db	143526	Ml	452631	Nl				
145236	Cq	546321	Iq	153426	Dc	526341	Fc	153426	Nm	253641	Am				
153642	Ii	235641	Ri	125643	Fb	642531	Ib	125634	Al	256431	Dl				
162354	Rq	264351	Aq	154623	Ie	543621	Ce	153264	Do	453621	Mo				
123645	Ah	263541	Jh	142635	Ca	243561	Fa	146253	Mk	423561	Ak				
165342	Jj	436521	Dj	123465				123456							
152463	Dh	562341	Eh												
165432	Ei	236451	Hi												
143562	Hg	624531	Ig												
156243	Ih	523641	Kh												
125643	Kg	462531	Ng												
153264	Nj	635421	Hj												
146235	Hf	423561	Kf												
123465															

5040 rows ending in
123456
Touch is true

Overworks

A Westminster	x34x14
B Dover	x36x16
C Oxford	x34x16
D George Orwell	36x56.14
E Cambridge	x34x16
F Stotfold	34x56.14
G London	36x36.14
H Kent	34x34.16
I Bunwell	x36x1456
J Carlisle	34x36.14
K Averbham	x34x1456
L Collingham	x56x14
M Maltby	x56x16
N Leckhampton	56x34.16
O Hills	36x34.16
P Chieveley	56x56.14
Q Selston	x56x1456
R Bene't's	56x36.14

Underworks

a S2	36x34x
b Mendip	16x14x
c D2	16x34x
d Kelso	36.12x14
e Cambridge	36x14x
f S4	36.12x34
g Chelsea	36.14x14
h D4	16.34x34
i Seddlescombe	1236x14x
j Beverley	36.14x34
k S6	1236x34x
l S1	36x12x
m D1	16x12x
n D3	16.34x12
o Burslem	16.34x14
p S3	36.12x12
q S5	1236x12x
r Surfleet	36.14x12

Composition contains all 324 possible treble-dodging minor grids with -12- when the treble is in 3-4.

Composition can be rung with methods reversed to obtain all 324 grids with -56- in 7 extents.

Changes of method at the lead end never affect the overwork; changes at the half-lead never affect the underwork. All leads are rung with a 56 half lead and 12 lead end. Contains between 12 and 36 changes of every combination of over and underwork.

