CKForms - Database for version 2.x

Type A

```
g=su(2) | real rank g=0 | a-hyp rank g=0
----------------------------
##################
g=sl(2,R) | real rank g=1 | a-hyp rank g=1
----------------------------
##################
g=su(3) | real rank g=0 | a-hyp rank g=0
----------------------------
#1: h=su(2) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(2) | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=su(1,2) | real rank g=1 | a-hyp rank g=1
----------------------------
#1: h=sl(2,R) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(2) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#3: h=sl(2,R) | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=sl(3,R) | real rank g=2 | a-hyp rank g=1
----------------------------
#1: h=sl(2,R) + a torus of  1 non-compact dimensions | real rank(h)=2 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(2) | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#3: h=sl(2,R) | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-true | L2-false | L3-false
----
##################
g=su(4) | real rank g=0 | a-hyp rank g=0
----------------------------
#1: h=su(3) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=so(5) | real rank(h)=0 | ahyp rank=0
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 | L0-true | L1-true | L2-false | L3-false
----
#3: h=su(2)+su(2) | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
#4: h=su(2)+su(2) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=su(1,3) | real rank g=1 | a-hyp rank g=1
----------------------------
#1: h=su(1,2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(3) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#3: h=sl(2,R)+su(2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=su(2,2) | real rank g=2 | a-hyp rank g=2
----------------------------
#1: h=su(1,2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#2: h=su(1,2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#3: h=so(2,3) | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#4: h=so(4,1) | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#5: h=sl(2,R)+su(2) | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#6: h=sl(2,R)+sl(2,R) | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#7: h=sl(2,C) + a torus of  1 non-compact dimensions | real rank(h)=2 | ahyp rank=1
 | L0-true | L1-false | L2-false | L3-false
----
#8: h=sl(2,R)+sl(2,R) + a torus of 1 compact dimensions | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#9: h=su(2)+su(2) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
##################
g=sl(2,H) | real rank g=1 | a-hyp rank g=1
----------------------------
#1: h=so(5) | real rank(h)=0 | ahyp rank=0
```

```
 | L0-false | L1-false | L2-true | L3-false
----
#2: h=so(4,1) | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#3: h=sl(2,R)+su(2) | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#4: h=sl(2,C) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#5: h=su(2)+su(2) + a torus of  1 non-compact dimensions | real rank(h)=1 | ahyp rank=0
 | L0-true | L1-false | L2-false | L3-false
----
##################
g=sl(4,R) | real rank g=3 | a-hyp rank g=2
---------------------------
#1: h=sl(3,R) + a torus of  1 non-compact dimensions | real rank(h)=3 | ahyp rank=1
 | L0-true | L1-false | L2-false | L3-false
----
#2: h=so(2,3) | real rank(h)=2 | ahyp rank=2
 | L0-false | L1-true | L2-false | L3-false
----
#3: h=su(2)+su(2) | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#4: h=sl(2,R)+sl(2,R) | real rank(h)=2 | ahyp rank=2
 | L0-false | L1-true | L2-false | L3-false
----
#5: h=sl(2,R)+sl(2,R) + a torus of  1 non-compact dimensions | real rank(h)=3 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#6: h=sl(2,C) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#7: h=sl(2,C) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
##################
g=su(5) | real rank g=0 | a-hyp rank g=0
---------------------------
#1: h=su(2)+su(3) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(4) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
#3: h=so(5) | real rank(h)=0 | ahyp rank=0
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=su(1,4) | real rank g=1 | a-hyp rank g=1
---------------------------
#1: h=su(2)+su(1,2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
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```
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=sl(2,R)+su(3) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#3: h=su(1,3) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
#4: h=su(4) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#5: h=so(4,1) | real rank(h)=1 | ahyp rank=1
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=su(2,3) | real rank g=2 | a-hyp rank g=2
----------------------------
#1: h=sl(2,R)+su(1,2) + a torus of 1 compact dimensions | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=su(2)+su(1,2) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#3: h=su(2)+su(3) + a torus of 1 compact dimensions | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#4: h=su(2,2) + a torus of 1 compact dimensions | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#5: h=su(1,3) + a torus of 1 compact dimensions | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
#6: h=so(2,3) | real rank(h)=2 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
##################
g=sl(5,R) | real rank g=4 | a-hyp rank g=2
----------------------------
#1: h=sl(2,R)+sl(3,R) + a torus of  1 non-compact dimensions | real rank(h)=4 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#2: h=sl(4,R) + a torus of  1 non-compact dimensions | real rank(h)=4 | ahyp rank=2
 | L0-true | L1-true | L2-false | L3-false
----
#3: h=so(5) | real rank(h)=0 | ahyp rank=0
 | L0-false | L1-false | L2-true | L3-false
----
#4: h=so(2,3) | real rank(h)=2 | ahyp rank=2
 | L0-false | L1-true | L2-false | L3-false
----
#5: h=so(4,1) | real rank(h)=1 | ahyp rank=1
 | L0-false | L1-false | L2-true | L3-false
----
##################
```