

Sunsetter Error 20160907 „EnP“

Version P2 repaired by SKAcz moves generator bug when check evasions like d7d5 against Bc4+ when Kf7 was missed.

But still here one bug found in original Sunsetter7e and also in P2 version:

Not taken En passant:

Here sunsetter saying f2f4 is checkmate, but missing g4xf3. (it makes for both bug and crazyhouse(=zh) rules)

Tested also using BPGNView3 for crazyhouse.

See <http://www.d2d4.de/sunsetter.asp> for more info.
<http://bughousechess.wz.cz/BughouseEngines> for clones.

```
W, . , M, V, , , #
! " " " " " " " "
$ t + + W + %
$ OoOpO + t %
$ + ObV + %
$ + + pL + o %
$ + + + oB %
$ + + P N %
$ p + p + PpP %
$ + + r + rK %
> / ( ( ( ( ( ( ( )
```

```
Analyzing position (first board) ...
xboard mode: starting engine: Sunsetter7gP2
Position loaded from BFEN:r4q2/pppPp2r/3pBb2/3Pk2p/6pB/4P1N1/P1P2PPP/3R1RK1 w - 
Pieces value: WQ 390 WR 200 WN 192 WB 195 WP 100 BQ 390 BR 200 BN 192 BB 195 BP 100
2 29498 0 39 f2f4
3 29498 0 72 f2f4
4 29498 0 106 f2f4
5 29498 0 142 f2f4
6 29498 0 178 f2f4
7 29498 0 327 f2f4
8 29498 0 617 f2f4
9 29498 0 1234 f2f4
10 29498 1 3631 f2f4
```

```

! W_ _' m_ v_ ' ' '#
$t + + W + %
$OoOpO + t %
$ + ObV + %
$ + + pL + o %
$ + + + B %
$ + + P o N %
$ p + p + + p P %
$ + + r + r K %
>/((((( )) )

```

```

Analyzing 'position' (first board) ...
xboard mode: starting engine: Sunsetter7gP2
Analyzing:
Pieces value: WQ 390 WR 200 WN 192 WB 195 WP 100 BQ 390 BR 200 BN 192 BB 195 BP 100
Position loaded from BFEN:r4q2/PPPp2r/3pBb2/3Pk2p/7B/4PpN1/P1P3PP/3R1RK1 w -
Analyzing:
2 583 0 43 e6f5
3 583 0 86 e6f5 f3g2
4 583 0 139 e6f5 f3g2
...

```

```

[Event "Crazyhouse Game"]
[Site "http://bughousechess.wz.cz/BughouseEngines/"]
[Date "2016.09.06"]
[WhiteA "TesterWA"] [WhiteAElo "----"]
[BlackA "TesterBA"] [BlackAElo "----"]
[WhiteB "WhiteB"] [WhiteBElo "----"]
[BlackB "BlackB"] [BlackBElo "----"]
[TimeControl "180+1"]
[Result "0-1"]

1A. Nc3 {1} 1a. Nf6 {2} 2A. d4 {1} 2a. Nc6 {2} 3A. Nf3 {1} 3a. d6 {2} 4A. d5
{1} 4a. Bd7 {2} 5A. Ng5 {1} 5a. Ne5 {2} 6A. Nxsf7 {1} 6a. Kxf7 {2} 7A. P@e6+ {1}
7a. Kg8 {2} 8A. exd7 {1} 8a. Nxd7 {2} 9A. B@e6+ {1} 9a. P@f7 {2} 10A. Bxf7+
{1} 10a. Kxf7 {2} 11A. P@e6+ {1} 11a. Kg8 {2} 12A. e4 {1} 12a. h6 {2} 13A. exd7
{1} 13a. B@h5 {2} 14A. Qxh5 {1} 14a. Nxh5 {2} 15A. B@e6+ {1} 15a. N@f7 {2}
16A. Be2 {1} 16a. Nf6 {2} 17A. N@g4 {1} 17a. Nxg4 {2} 18A. B2xg4 {1} 18a. N@e5
{2} 19A. Bf4 {1} 19a. Nxg4 {2} 20A. Bxg4 {1} 20a. B@d4 {2} 21A. Rd1 {1}
21a. Bf6 {2} 22A. O-O {1} 22a. g5 {2} 23A. Bg3 {1} 23a. h5 {2} 24A. Be6 {1}
24a. g4 {2} 25A. N@f5 {1} 25a. Rh7 {2} 26A. Ne2 {1} 26a. Bxb2 {2} 27A. Nf4 {1}
27a. P@g5 {2} 28A. Ng6 {1} 28a. Bf6 {2} 29A. Bxf7+ {1} 29a. Kxf7 {2} 30A. Nxsf8
{1} 30a. Qxf8 {2} 31A. B@e6+ {1} 31a. Kg6 {2} 32A. N@h4+ {1} 32a. gxh4 {2}
33A. N@f4+ {1} 33a. Kg5 {2} 34A. Bxh4+ {1} 34a. Kxf4 {2} 35A. P@e3+ {1}
35a. Kxe4 {2} 36A. Ng3+ {1} 36a. Ke5 {2} 37A. f4+ {1} 37a. gxf3 {2}

```

```
> ! " " " " " " " "#  
$n + v L + T %  
$Oo + V O + O %  
$ + m + + + %  
$ + + P O %  
$ + Pk + m + %  
$ + + p + n + %  
$p Pw + + p P %  
$R B + b + r %  
/( ( ( ( ( ( ( )  
q, , , , 2p
```

Test if engine after f5 see exf5 defense

Analyzing:

Position loaded from

BFEN:N1bk3r/pp2bp1p/2n5/4P1p1/3PK1n1/3P1N2/PPq3PP/R1B2B1R b -

Analyzing:

```
3    29496      0      148  f7f5  
...  
16   29496    3274 29275251  f7f5
```