- $\mathcal{N}=6$
  - $\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{4}{4}$
    - $\deg J=0$
      - $\#SC_s^s=0$
        - $\#SC_s^{\mathcal{SN}}=0$: $3.9(c3)\simeq 4.11(b)$ $\Rightarrow$ [Fig.1: (17-1)] (14)
        - $\#SC_s^{\mathcal{SN}}=1$: $\begin{cases}3.9(c1)\simeq 3.9(\overset{*}{c}1)\\ \simeq 4.11(a)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (17-2)]}\\ \text{[Fig.1: (20-1)]}\\ \text{[Fig.1: (25-2)]}\end{cases}$ (15)
      - $\#SC_s^s=1$: $3.9(c2)\simeq 3.9(\overset{*}{c}2)$ $\Rightarrow$ [Fig.1: (27-2)] (16)
    - $\deg J=2$
      - $\#SC_s^{\mathcal{S}}=0$
        - $\#SC_s^{\mathcal{SN}}=0$: $3.9(b1)$ $\Rightarrow$ [Fig.1: (19-2)] (17)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.9(b2)\simeq 3.9(b2)$ $\Rightarrow$ [Fig.1: (24-2)] (18)
      - $\#SC_s^{\mathcal{S}}=1$
        - $\#SC_s^{\mathcal{SN}}=0$: $3.9(b3)\simeq 3.9(\overset{*}{b}3)$ $\Rightarrow$ [Fig.1: (22-4)] (19)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.9(\overset{*}{b}4)$ $\Rightarrow$ [Fig.1: (31-2)] (20)
  - $\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{3}{4}$
    - $\deg J=-2$
      - $\#SC_s^s=0$: $3.2(d1)$ $\Rightarrow$ [Fig.1: (23)] (21)
      - $\#SC_s^s=1$: $3.3(d1)$ $\Rightarrow$ [Fig.1: (12)] (22)
    - $\deg J=0$
      - $\#SC_{sn}^s=0$
        - $\#SC_{sn}^{\mathcal{S}}=0$
          - $\#SC_s^{\mathcal{S}}=0$: $\begin{cases}3.2(f4)\simeq 3.3(f4)\\ \simeq 4.10(b)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (9-2)]}\\ \text{[Fig.1: (22-4)]}\end{cases}$ (23)
          - $\#SC_s^{\mathcal{S}}=1$: $3.3(f1)$ $\Rightarrow$ [Fig.1: (9-4)] (24)
        - $\#SC_{sn}^{\mathcal{S}}=1$
          - $\#SC_{sn(hh)}^{\mathcal{S}}=0$: $\begin{cases}3.2(f3)\simeq 3.3(f3)\\ \simeq 4.10(c)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (9-5)]}\\ \text{[Fig.1: (22-2)]}\end{cases}$ (25)
          - $\#SC_{sn(hh)}^{\mathcal{S}}=1$: $3.2(f1)$ $\Rightarrow$ [Fig.1: (22-3)*] (26)
      - $\#SC_{sn}^s=1$
        - $\#SC_{sn}^{\mathcal{S}}=0$
          - $\#SC_s^{\mathcal{S}}=0$: $\begin{cases}3.2(f5)\simeq 3.2(\overset{*}{f}5)\\ \simeq 3.3(f5)\simeq 4.10(a)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (11-1)]}\\ \text{[Fig.1: (30-3)]}\end{cases}$ (27)
          - $\#SC_s^{\mathcal{S}}=1$: $3.3(f2)$ $\Rightarrow$ [Fig.1: (11-3)] (28)
        - $\#SC_{sn}^{\mathcal{S}}=1$: $3.2(f2)\simeq 3.2(\overset{*}{f}2)$ $\Rightarrow$ [Fig.1: (30-2)] (29)
    - $\deg J=2$
      - $\#SC_{sn}^{\mathcal{S}}=0$: $3.3(e1)$ $\Rightarrow$ [Fig.1: (10-5)] (30)
      - $\#SC_{sn}^{\mathcal{S}}=1$
        - $\#SC_{sn(hh)}^{\mathcal{S}}=0$
          - $M_{sep}^{\tilde{s}\tilde{n}}=3$: $3.3(e2)$ ( ) $\Rightarrow$ $\begin{cases}\text{[Fig.1: (10-1)]}\\ \text{[Fig.1: (10-3)*]}\end{cases}$ (31)
          - $M_{sep}^{\tilde{s}\tilde{n}}=4$: $3.2(e1)\simeq 3.2(\overset{*}{e}1)$ $\Rightarrow$ [Fig.1: (29-2)] (32)
        - $\#SC_{sn(hh)}^{\mathcal{S}}=1$: $3.2(e2)\simeq 3.2(\overset{*}{e}2)$ $\Rightarrow$ [Fig.1: (29-1)] (33)
      - $\#SC_{sn}^{\mathcal{S}}=2$: $3.2(\overset{*}{e}3)$ $\Rightarrow$ [Fig.1: (32-2)] (34)
  - $\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{3}{3}$
    - $\deg J=-1$
      - $\#SC_s^s=0$
        - $\#SC_s^{\mathcal{SN}}=0$: $\begin{cases}3.4(g3)\simeq 3.5(g2)\\ \simeq 4.4(a)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (4)]}\\ \text{[Fig.3: (4-1)]}\end{cases}$ (35)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.4(g1)$ $\Rightarrow$ [Fig.3:(4-5)] (36)
      - $\#SC_s^s=1$
        - $\#SC_s^{\mathcal{SN}}=0$: $3.5(g1)$ $\Rightarrow$ [Fig.1: (6)] (37)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.4(g2)\simeq 3.4(\overset{*}{g}2)$ $\Rightarrow$ [Fig.3:(4-3)] (38)
    - $\deg J=1$
      - $\#SC_s^{\mathcal{S}}=0$
        - $\#SC_s^{\mathcal{SN}}=0$: $\begin{cases}3.4(h2)\simeq 3.4(\overset{*}{h}2)\\ \simeq 3.5(h2)\simeq 4.4(b)\end{cases}$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (3-2)]}\\ \text{[Fig.3: (2-3)]}\\ \text{[Fig.3: (3-1)]}\\ \text{[Fig.3: (3-3)]}\end{cases}$ (39)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.4(h1)\simeq 3.4(\overset{*}{h}1)$ $\Rightarrow$ [Fig.3:(3-5)] (40)
      - $\#SC_s^{\mathcal{S}}=1$
        - $\#SC_s^{\mathcal{SN}}=0$
          - $M_{sep}^{\tilde{n}}=2$: $3.5(h1)$ $\Rightarrow$ $\begin{cases}\text{[Fig.1: (3-3)*]}\\ \text{[Fig.1: (5-2)]}\end{cases}$ (41)
          - $M_{sep}^{\tilde{n}}=3$: $3.4(h3)\simeq 3.4(\overset{*}{h}3)$ $\Rightarrow$ [Fig.3:(2-1)] (42)
        - $\#SC_s^{\mathcal{SN}}=1$: $3.4(\overset{*}{h}4)$ $\Rightarrow$ [Fig.3:(2-5)] (43)