with $u_2=1$ $\Delta_2=\{1,2,3,4\}$ and $u_2=2$ $\Delta_2=\{1,2,3,4\}$

$(*^2)$: $z_{1,2}(u_2=1,\Delta_2=1) = \frac{1}{3}[1-(-1+\Delta_1+1)\cdot 1]$

$z_{1,2}=0 : \Delta_1=1$
$z_{1,2}=0 : \Delta_1=2$

$$z_{1,2}(u_2=1,\Delta_2=1) = \frac{1}{3}[1-\Delta_1]$$

$\Delta_1=1: z_{1,2}=\frac{0}{3}=0$
$\Delta_1=2: z_{1,2}=-\frac{1}{3}$

$$z_{1,2}(u_2=1,\Delta_2=2) = \frac{1}{3}[1-(-2+\Delta_1+1)\cdot 1]$$

$$= \frac{1}{3}[1+1-\Delta_1]$$

$z_{1,2}=0: \Delta_1=1$
$z_{1,2}=0: \Delta_1=2$

$$z_{1,2}(u_2=1,\Delta_2=2) = \frac{1}{3}[2-\Delta_1]$$

$\Delta_1=1: z_{1,2}=\frac{1}{3}$
$\Delta_1=2: z_{1,2}=\frac{0}{3}=0$

$$z_{1,2}(u_2=1,\Delta_2=3) = \frac{1}{3}[1-(-3+\Delta_1+1)\cdot 1]$$

$$= \frac{1}{3}[1+2-\Delta_1]$$

$z_{1,2}=0 ; \Delta_1=1$
$z_{1,2}=0 ; \Delta_1=2$

$$z_{1,2}(u_2=1,\Delta_2=3) = \frac{1}{3}[3-\Delta_1]$$

$\Delta_1=1 : z_{1,2}=\frac{2}{3}$
$\Delta_1=2 : z_{1,2}=\frac{1}{3}$

$$z_{1,2}(u_2=1,\Delta_2=4) = \frac{1}{3}[1-(-4+\Delta_1+1)\cdot 1]$$

$$= \frac{1}{3}[1+3-\Delta_1]$$

$z_{1,2}=1 ; \Delta_1=1$
$z_{1,2}=0 : \Delta_1=2$

$$z_{1,2}(u_2=1,\Delta_2=4) = \frac{1}{3}[4-\Delta_1]$$

$\Delta_1=1 : z_{1,2}=\frac{3}{3}=1$
$\Delta_1=2 : z_{1,2}=\frac{2}{3}$

$$z_{1,2}(u_2=2,\Delta_2=1) = \frac{1}{3}[2-(-1+\Delta_1+1)\cdot 1]$$

$z_{1,2}=0 : \Delta_1=1$
$z_{1,2}=0 : \Delta_1=2$

$$z_{1,2}(u_2=2,\Delta_2=1) = \frac{1}{3}[2-\Delta_1]$$

$\Delta_1=1 : z_{1,2}=\frac{1}{3}$
$\Delta_1=2 : z_{1,2}=\frac{0}{3}=0$

$$z_{1,2}(u_2=2,\Delta_2=2) = \frac{1}{3}[2-(-2+\Delta_1+1)\cdot 1]$$

$$= \frac{1}{3}[2+1-\Delta_1]$$

$z_{1,2}=0 : \Delta_1=1$
$z_{1,2}=0 : \Delta_1=2$

$$z_{1,2}(u_2=2,\Delta_2=2) = \frac{1}{3}[3-\Delta_1]$$

$\Delta_1=1 : z_{1,2}=\frac{2}{3}$
$\Delta_1=2 : z_{1,2}=\frac{1}{3}$

$$z_{1,2}(u_2=2,\Delta_2=3) = \frac{1}{3}[2-(-3+\Delta_1+1)\cdot 1]$$

$$= \frac{1}{3}[2+2-\Delta_1]$$

$z_{1,2}=1 : \Delta_1=1$
$z_{1,2}=0 : \Delta_1=2$

$$z_{1,2}(u_2=2,\Delta_2=3) = \frac{1}{3}[4-\Delta_1]$$

$\Delta_1=1 : z_{1,2}=\frac{3}{3}=1$
$\Delta_1=2 : z_{1,2}=\frac{2}{3}$