

/* YOUNG WOMEN 14 - 24 CODEBOOK SUPPLEMENT 20

R(5007.),R(5008.),R(5009.),R(5010.),R(5011.),R(5012.)=NA;
MAR,SEP,DIV,MSP,MSA,WID=NA;

MAR1= R(420.51); MAR2= R(1166.51); MAR3= R(1970.50);
MAR4= R(3119.51); MAR5= R(3962.51); MAR6= R(4805.51);
DIV=NA; SEP=NA; WID=NA; MSA=NA; MAR=NA; MSP=NA;
MAR41=NA; MAR42=NA; MAR43=NA; MAR44=NA; MAR45=NA; MAR46=NA;

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IF MAR6=NA THEN GO TO SKIP2;
IF MAR2=NA & MAR3=NA THEN GO TO SKIP2;
IF MAR2=NA & MAR4 = NA THEN GO TO SKIP2;
IF MAR2=NA & MAR5=NA THEN GO TO SKIP2;
IF MAR3=NA & MAR4=NA THEN GO TO SKIP2;
IF MAR3=NA & MAR5=NA THEN GO TO SKIP2;
IF MAR4=NA & MAR5=NA THEN GO TO SKIP2;
IF MAR2=NA & MAR3>=1 & MAR3<=6 THEN MAR2= MAR3;
IF MAR3=NA & MAR4>=1 & MAR4<=6 THEN MAR3= MAR4;
IF MAR4=NA & MAR5>=1 & MAR5<=6 THEN MAR4= MAR5;
IF MAR5=NA & MAR6>=1 & MAR6<=6 THEN MAR5= MAR6;
IF MAR1<=6 & MAR2<=6 & MAR3<=6 & MAR4<=6 & MAR5<=6 & MAR6 =6 THEN MAR6=MAR5;
IF MAR1<=6 & MAR2<=6 & MAR3<=6 & MAR4<=6 & MAR5 =6 & MAR6<=6 THEN MAR5=MAR6;
IF MAR1<=6 & MAR2<=6 & MAR3<=6 & MAR4 =6 & MAR5<=6 & MAR6<=6 THEN MAR4=MAR5;
IF MAR1<=6 & MAR2<=6 & MAR3 =6 & MAR4<=6 & MAR5<=6 & MAR6<=6 THEN MAR3=MAR4;
IF MAR1<=6 & MAR2 =6 & MAR3<=6 & MAR4<=6 & MAR5<=6 & MAR6<=6 THEN MAR2=MAR3;
DO=0; D1=0; D2=0; D3=0; D4=0; D5=0;
IF MAR1=4 & MAR2>=1 & MAR2<=6 THEN DO=1;
IF ((MAR1>=1 & MAR1<=3) | (MAR1>=5 & MAR1<=6)) & MAR2=4 THEN D1=1;
IF ((MAR2>=1 & MAR2<=3) | (MAR2>=5 & MAR2<=6)) & MAR3=4 THEN D2=1;
IF ((MAR3>=1 & MAR3<=3) | (MAR3>=5 & MAR3<=6)) & MAR4=4 THEN D3=1;
IF ((MAR4>=1 & MAR4<=3) | (MAR4>=5 & MAR4<=6)) & MAR5=4 THEN D4=1;
IF ((MAR5>=1 & MAR5<=3) | (MAR5>=5 & MAR5<=6)) & MAR6=4 THEN D5=1;
RETURN=1;
GO TO ASSIGN;
FIXDIV: DIV= TEMP;
DO=0; D1=0; D2=0; D3=0; D4=0; D5=0;
IF MAR1=5 & MAR2>=1 & MAR2<=6 THEN DO=1;
IF ((MAR1>=1 & MAR1<=4) | MAR1=6) & MAR2=5 THEN D1=1;
IF ((MAR2>=1 & MAR2<=4) | MAR2=6) & MAR3=5 THEN D2=1;
IF ((MAR3>=1 & MAR3<=4) | MAR3=6) & MAR4=5 THEN D3=1;
IF ((MAR4>=1 & MAR4<=4) | MAR4=6) & MAR5=5 THEN D4=1;
IF ((MAR5>=1 & MAR5<=4) | MAR5=6) & MAR6=5 THEN D5=1;
RETURN=2;
GO TO ASSIGN;
FIXSEP: SEP= TEMP;
DO=0; D1=0; D2=0; D3=0; D4=0; D5=0;
IF MAR1=3 & MAR2>=1 & MAR2<=6 THEN DO=1;
IF ((MAR1>=1 & MAR1<=2) | (MAR1>=4 & MAR1<=6)) & MAR2=3 THEN D1=1;
IF ((MAR2>=1 & MAR2<=2) | (MAR2>=4 & MAR2<=5)) & MAR3=3 THEN D2=1;
IF ((MAR3>=1 & MAR3<=2) | (MAR3>=4 & MAR3<=6)) & MAR4=3 THEN D3=1;
IF ((MAR4>=1 & MAR4<=2) | (MAR4>=4 & MAR4<=6)) & MAR5=3 THEN D4=1;
IF ((MAR5>=1 & MAR5<=2) | (MAR5>=4 & MAR5<=6)) & MAR6=3 THEN D5=1;
RETURN=3;
GO TO ASSIGN;

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FIXWID: WID= TEMP;

D0=0; D1=0; D2=0; D3=0; D4=0; D5=0;

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IF MAR1=2 & MAR2>=1 & MAR2<=6 THEN D0=1;
  F (MAR1=1 | (MAR1>=3 & MAR1<=6)) & MAR2=2 THEN D1=1;
  F (MAR2=1 | (MAR2>=3 & MAR2<=6)) & MAR3=2 THEN D2=1;
IF (MAR3=1 | (MAR3>=3 & MAR3<=6)) & MAR4=2 THEN D3=1;
IF (MAR4=1 | (MAR4>=3 & MAR4<=6)) & MAR5=2 THEN D4=1;
IF (MAR5=1 | (MAR5>=3 & MAR5<=6)) & MAR6=2 THEN D5=1;

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RETURN = 4;

GO TO ASSIGN;

FIXMSA: MSA= TEMP;

D0=0; D1=0; D2=0; D3=0; D4=0; D5=0;

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IF MAR1=1 & MAR2>=1 & MAR2<=6 THEN D0=1;
IF MAR1>=2 & MAR1<=6 & MAR2=1 THEN D1=1;
IF MAR2>=2 & MAR2<=6 & MAR3=1 THEN D2=1;
IF MAR3>=2 & MAR3<=6 & MAR4=1 THEN D3=1;
IF MAR4>=2 & MAR4<=6 & MAR5=1 THEN D4=1;
IF MAR5>=2 & MAR5<=6 & MAR6=1 THEN D5=1;

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RETURN=5;

GO TO ASSIGN;

ASSIGN: TEMP=NA;

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IF D0=1 & D1=0 & D2=0 & D3 =0 & D4 =0 & D5 =0 THEN TEMP= 0;
IF D0=1 & D1=0 & D2=1 & D3>=0 & D3<=1 & D4>=0 & D4<=1 & D5>=0 & D5<=1 THEN TEMP= 2;
IF D0=1 & D1=0 & D2=0 & D3 =1 & D4>=0 & D4<=1 & D5>=0 & D5<=1 THEN TEMP= 3;
IF D0=1 & D1=0 & D2=0 & D3 =0 & D4 =1 & D5>=0 & D5<=1 THEN TEMP= 4;
IF D0=1 & D1=0 & D2=0 & D3 =0 & D4 =0 & D5 =1 THEN TEMP= 5;
IF D0=0 & D1=1 & D2=0 & D3 =0 & D4 =0 & D5 =0 THEN TEMP=11;
IF D0=0 & D1=1 & D2=0 & D3 =1 & D4>=0 & D4<=1 & D5>=0 & D5<=1 THEN TEMP=13;
IF D0=0 & D1=1 & D2=0 & D3 =0 & D4 =1 & D5>=0 & D5<=1 THEN TEMP=14;
IF D0=0 & D1=1 & D2=0 & D3 =0 & D4 =0 & D5 =1 THEN TEMP=15;
IF D0=0 & D1=0 & D2=1 & D3 =0 & D4 =0 & D5 =0 THEN TEMP=22;
IF D0=0 & D1=0 & D2=1 & D3 =0 & D4 =1 & D5 =0 THEN TEMP=24;
IF D0=0 & D1=0 & D2=1 & D3 =0 & D4 =0 & D5 =1 THEN TEMP=25;
IF D0=0 & D1=0 & D2=0 & D3 =1 & D4 =0 & D5 =0 THEN TEMP=33;
IF D0=0 & D1=0 & D2=0 & D3 =1 & D4 =0 & D5 =1 THEN TEMP=35;
IF D0=0 & D1=0 & D2=0 & D3 =0 & D4 =1 & D5 =0 THEN TEMP=44;
IF D0=0 & D1=0 & D2=0 & D3 =0 & D4 =0 & D5 =1 THEN TEMP=55;
IF D0=0 & D1=0 & D2=0 & D3 =0 & D4 =0 & D5 =0 THEN TEMP=99;
IF RETURN =1 THEN GO TO FIX0
IF RETURN =2 THEN GO TO FIX5
IF RETURN =3 THEN GO TO FIXW
IF RETURN =4 THEN GO TO FIXM
IF RETURN =5 THEN GO TO FIXF

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FIXMSP: MSP=TEMP;
IF MAR1=1 | MAR1=2 | MAR1=5 THEN MAR41=2;
ELSE IF MAR1=6 THEN MAR41=1;
    MAR41= MAR1;
    MAR2=1 | MAR2=2 | MAR2=5 THEN MAR42=2;
ELSE IF MAR2=6 THEN MAR42=1;
    ELSE MAR42= MAR2;
    IF MAR3=1 | MAR3=2 | MAR3=5 THEN MAR43=2;
ELSE IF MAR3=6 THEN MAR43=1;
    ELSE MAR43= MAR3;
    IF MAR4=1 | MAR4=2 | MAR4=5 THEN MAR44=2;
ELSE IF MAR4=6 THEN MAR44=1;
    ELSE MAR44= MAR4;
    IF MAR5=1 | MAR5=2 | MAR5=5 THEN MAR45=2;
ELSE IF MAR5=6 THEN MAR45=1;
    ELSE MAR45= MAR5;
    IF MAR6=1 | MAR6=2 | MAR6=5 THEN MAR46=2;
ELSE IF MAR6=6 THEN MAR46=1;
    ELSE MAR46= MAR6;
MO=0; M1=0; M2=0; M3=0; M4=0; M5=0;
IF MAR41>=2 & MAR41<=4 & MAR42>=2 & MAR42<=4 THEN MO=1;
IF MAR41=1 & MAR42>=2 & MAR42<=4 THEN M1=1;
IF MAR41=3 & ( MAR42=2 | MAR42=4) THEN M1=1;
IF MAR41=4 & MAR42>=2 & MAR42<=3 THEN M1=1;
IF MAR42=1 & MAR43>=2 & MAR43<=4 THEN M2=1;
IF MAR42=3 & ( MAR43=2 | MAR43=4) THEN M2=1;
IF MAR42=4 & MAR43>=2 & MAR43<=3 THEN M2=1;
IF MAR43=1 & MAR44>=2 & MAR44<=4 THEN M3=1;
IF MAR43=3 & ( MAR44=2 | MAR44=4) THEN M3=1;
    MAR43=4 & MAR44>=2 & MAR44<=3 THEN M3=1;
    MAR44=1 & MAR45>=2 & MAR45<=4 THEN M4=1;
IF MAR44=3 & ( MAR45=2 | MAR45=4) THEN M4=1;
IF MAR44=4 & MAR45>=2 & MAR45<=3 THEN M4=1;
IF MAR45=1 & MAR46>=2 & MAR46<=4 THEN M5=1;
IF MAR45=3 & ( MAR46=2 | MAR46=4) THEN M5=1;
IF MAR45=4 & MAR46>=2 & MAR46<=3 THEN M5=1;
IF MO=0 & M1=0 & M2=0 & M3=0 & M4=0 & M5=0 THEN MAR=99;
IF MO=1 & M1=0 & M2=0 & M3=0 & M4=0 & M5=0 THEN MAR=0;
IF MO=1 & M1=1 & M2>=0 & M2<=1 & M3>=0 & M3<=1 & M4>=0 & M4<=1 & M5>=0 & M5<=1 THEN MAR=1;
IF MO=1 & M1=0 & M2=1 & M3>=0 & M3<=1 & M4>=0 & M4<=1 & M5>=0 & M5<=1 THEN MAR=2;
IF MO=1 & M1=0 & M2=0 & M3=1 & M4>=0 & M4<=1 & M5>=0 & M5<=1 THEN MAR=3;
IF MO=1 & M1=0 & M2=0 & M3=0 & M4=1 & M5>=0 & M5<=1 THEN MAR=4;
IF MO=1 & M1=0 & M2=0 & M3=0 & M4=0 & M5=1 THEN MAR=5;
IF MO=0 & M1=1 & M2=0 & M3=0 & M4=0 & M5=0 THEN MAR=11;
IF MO=0 & M1=1 & M2=1 & M3>=0 & M3<=1 & M4>=0 & M4<=1 & M5>=0 & M5<=1 THEN MAR=12;
IF MO=0 & M1=1 & M2>=0 & M5<=1 & M3=1 & M4>=0 & M4<=1 & M5=0 THEN MAR=13;
IF MO=0 & M1=1 & M2=0 & M3=0 & M4=0 & M5=0 THEN MAR=14;
IF MO=0 & M1=1 & M2=0 & M3=0 & M4=0 & M5=1 THEN MAR=15;

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IF M0=0 & M1=0 & M2	=1 & M3	=0 & M4	=0 &
M5 =0			THEN MAR=22;
IF M0=0 & M1=0 & M2	=1 & M3	=1 & M4 >=0 & M4 <=1 &	THEN MAR=23;
M5 >=0 & M5 <=1			=1 &
IF M0=0 & M1=0 & M2	=1 & M3	=0 & M4	THEN MAR=24;
M5 >=0 & M5 <=1			=0 &
IF M0=0 & M1=0 & M2	=1 & M3	=0 & M4	THEN MAR=25;
M5 =1			=0 &
IF M0=0 & M1=0 & M2	=0 & M3	=1 & M4	THEN MAR=33;
M5 =0			=1 &
IF M0=0 & M1=0 & M2	=0 & M3	=1 & M4	THEN MAR=34;
M5 >=0 & M5 <=1			=0 &
IF M0=0 & M1=0 & M2	=0 & M3	=1 & M4	THEN MAR=35;
M5 =1			=1 &
IF M0=0 & M1=0 & M2	=0 & M3	=0 & M4	THEN MAR=44;
M5 =0			=1 &
IF M0=0 & M1=0 & M2	=0 & M3	=0 & M4	THEN MAR=45;
M5 =1			=0 &
IF M0=0 & M1=0 & M2	=0 & M3	=0 & M4	THEN MAR=55;
M5 =1			

SKIP2:

R(5007.)=MAR;
R(5008.)=SEP;
R(5009.)=DIV;
R(5010.)=MSP;
R(5011.)=MSA;
R(5012.)=WID;