The code and example dataset reported in this document are supplementary material from: Caldwell DM, Davies SR, Thorn JC, Palmer JC, Caro P, Hetrick SE, et al. School-based interventions to prevent anxiety, depression and conduct disorder in children and young people: a systematic review and network meta-analysis. *Public Health Research* 2021;9(8) https://doi.org/10.3310/phr09080

The standard network meta-analysis code on which the component models are based is available in Dias et al. The adaptation to component-level NMA is based on WinBUGS code reported in Welton et al. For further statistical details for intervention-level and component-level network meta-analysis models below please see Chapter 2 and Appendix 1 of the report. https://doi.org/10.3310/phr09080

Intervention abbreviations:
None: no intervention, WL: waiting list, UC: usual curriculum, AtC: attention control, BFb: biofeedback, PsyS: psychosocial support, PsyEd: psychoeducation, CBT: cognitive behavioural therapy, M/R: mindfulness, ThirdW: third wave, Relax: relaxation, Phys: physiological, Ex: exercise, CBM: cognitive bias modification.

Component abbreviations:
PsyS: psychosocial support, PsyEd: psychoeducation, Cog: cognitive, Beh: behavioural, Mind: mindfulness, ThirdW: third wave, Relax: relaxation, Phys: physiological, Ex: exercise, ABM: attention bias modification.

References:
Dias S, Welton NJ, Sutton AJ, Ades AE. NICE DSU Technical Support Document 2: A Generalised Linear Modelling Framework for Pairwise and Network Meta-Analysis of Randomised Controlled Trials. Report by the Decision Support Unit. URL: http://nicedsu.org.uk/wp-content/uploads/2017/05/TSD2-General-meta-analysis-corrected-2Sep2016v2.pdf

Welton NJ, Caldwell DM, Adamopoulos E, Vedhara K. Mixed treatment comparison meta-analysis of complex interventions: psychological interventions in coronary heart disease. Am J Epidemiol 2009;169:1158–65. https://doi.org/10.1093/aje/kwp014

Code for the Network Meta-Analysis Components Models

1. Intervention-level NMA model (implemented in OpenBUGS)

```
model{

for(i in 1:ns){

w[i,1] <- 0                                                    # adjustment for multi-arm trials is zero for control arm
delta[i,1] <- 0                                                # treatment effect is zero for control arm
mu[i] ~ dnorm(0,.0001)                                         # vague priors for all trial baselines
       for (k in 1:na[i]) {                                    # LOOP THROUGH ARMS
              var[i,k] <- pow(se[i,k],2)                       # calculate variances
              prec[i,k] <- 1/var[i,k]                          # set precisions
              y[i,k] ~ dnorm(phi[i,k],prec[i,k])               # normal likelihood
              phi[i,k]<-theta[i,k]*(pooled.sd[i]/J[i])         # Hedges G adjustment/ SMD
              theta[i,k] <- mu[i] + delta[i,k]
       Dnum[i,k] <- (y[i,k]-phi[i,k])*(y[i,k]-phi[i,k])
    dev[i,k] <- Dnum[i,k]/var[i,k]                             #deviance arm k, study i
}

resdev[i] <- sum(dev[i,1:na[i]])                               # summed residual deviance contribution for this trial

       for (k in 2:na[i]) {                                    # LOOP THROUGH ARMS
              delta[i,k] ~ dnorm(md[i,k],taud[i,k])            # trial-specific treatment effect distributions
              md[i,k] <- d[Int[i,k]] - d[Int[i,1]] + sw[i,k]   #mean of treat effects distributions (multi-arm correction)
              taud[i,k] <- tau *2*(k-1)/k                      # precision of treat effects distrib. (multi-arm correction)
              w[i,k] <- (delta[i,k] - (d[Int[i,k]] - d[Int[i,1]])) # adjustment for multi-arm RCTs
              sw[i,k] <- sum(w[i,1:k-1])/(k-1) }}              # adjustment for multi-arm RCTs

totresdev <- sum(resdev[])                                     #Total Residual Deviance

d[1]<-0

for (k in 2:nint){
       d[intlist[k]]~dnorm(0,.0001)     }                     #Priors for main intervention effects

sd ~ dunif(0,5)                                                # vague prior for between-trial SD.
tau <- pow(sd,-2)                                              # between-trial precision = (1/between-trial variance)

for (c in 1:nint) {                                            # all SMDs for each comparison
```

```
      for (k in 1:nint) {
            smd[intlist[c],intlist[k]] <- (d[intlist[k]]-d[intlist[c]])
      }}

dum[1]<-t[1,1]
dum[2]<- None[1,1]
dum[3]<-WL[1,1]
dum[4]<-UC[1,1]
dum[5]<-AtC[1,1]
dum[6]<-PsyS[1,1]
dum[7]<-PsyEd[1,1]
dum[8]<-Cog[1,1]
dum[9]<-Beh[1,1]
dum[10]<-Mind[1,1]
dum[11]<-ThirdW[1,1]
dum[12]<-Relax[1,1]
dum[13]<-Phys[1,1]
dum[14]<-Ex[1,1]
dum[15]<-ABM[1,1]

}
```

DATA

#Intervention main effect codes: 1=AtC, 2=None, 3=UC, 4=WL, 8=CBT , 12=M/R, 16=ThirdW

```
list(ns=21, intlist=c(1,2,3,4,8,12,16), nint=7)

t[,1]  y[,1]  se[,1] t[,2]  y[,2]  se[,2] t[,3]  y[,3]  se[,3] t[,4]  y[,4]  se[,4] pooled.sd[]   J[]    na[]   Int[,1]      Int[,2]
       Int[,3]      Int[,4]      None[,1]     WL[,1] UC[,1] AtC[,1]      PsyS[,1]      PsyEd[,1]     Cog[,1]      Beh[,1]
       Mind[,1]     ThirdW[,1]   Relax[,1]    Phys[,1]     Ex[,1] ABM[,1]      None[,2]      WL[,2] UC[,2] AtC[,2]      PsyS[,2]
       PsyEd[,2]    Cog[,2]      Beh[,2]      Mind[,2]     ThirdW[,2]   Relax[,2]     Phys[,2]      Ex[,2] ABM[,2]      None[,3]
       WL[,3] UC[,3] AtC[,3]      PsyS[,3]     PsyEd[,3]    Cog[,3]      Beh[,3]      Mind[,3]      ThirdW[,3]   Relax[,3]
       Phys[,3]     Ex[,3] ABM[,3]      None[,4]     WL[,4] UC[,4] AtC[,4]      PsyS[,4]      PsyEd[,4]     Cog[,4]      Beh[,4]
       Mind[,4]     ThirdW[,4]   Relax[,4]    Phys[,4]     Ex[,4] ABM[,4]      # Study ID
```

Data array as for <u>full interaction model</u> below

2. Additive Component Level (nested within interventions) (Implemented in WinBUGS)

Code as per main intervention code (above, in 1), additional code for additive components is highlighted in blue.

```
model{

for(i in 1:ns){

w[i,1] <- 0                                                    # adjustment for multi-arm trials is zero for control arm
delta[i,1] <- 0                                                # treatment effect is zero for control arm
mu[i] ~ dnorm(0,.0001)                                         # vague priors for all trial baselines
       for (k in 1:na[i]) {                                    # LOOP THROUGH ARMS
              var[i,k] <- pow(se[i,k],2)                       # calculate variances
              prec[i,k] <- 1/var[i,k]                          # set precisions
              y[i,k] ~ dnorm(phi[i,k],prec[i,k])               # normal likelihood
              phi[i,k]<-theta[i,k]*(pooled.sd[i]/J[i])         #Hedges G adjustment/ SMD
              theta[i,k] <- mu[i] + delta[i,k]
       Dnum[i,k] <- (y[i,k]-phi[i,k])*(y[i,k]-phi[i,k])
    dev[i,k] <- Dnum[i,k]/var[i,k]                              #deviance arm k, study i

#Component model given only for Interventions 3=UC, 4=WL, 8 = CBT, 16=TWave.
#All other interventions uniquely defined

di[i,k]<- d[Int[i,k]] + equals(Int[i,k],3)*betaUC*PsyEd[i,k] + equals(Int[i,k],4)*betaWL*UC[i,k] +
equals(Int[i,k],8)*(betaCBT[1]*PsyEd[i,k]+ betaCBT[2]*Mind[i,k]+betaCBT[3]*Relax[i,k]) + equals(Int[i,k],16)*betaThirdW*Mind[i,k]
}

resdev[i] <- sum(dev[i,1:na[i]])                               # summed residual deviance contribution for this trial


for (k in 2:na[i]) {                                           # LOOP THROUGH ARMS
       delta[i,k] ~ dnorm(md[i,k],taud[i,k])                   # trial-specific treatment effect distributions
       md[i,k] <- di[i,k] - di[i,1] + sw[i,k]                  # mean of treat effects distributions (multi-arm RCT correction)
       taud[i,k] <- tau *2*(k-1)/k                             # precision of treat effects distributions (multi-arm RCT correction)
              w[i,k] <- (delta[i,k] - (di[i,k] - di[i,1]))     # adjustment for multi-arm RCTs
              sw[i,k] <- sum(w[i,1:k-1])/(k-1)                 # adjustment for multi-arm RCTs
       }}

totresdev <- sum(resdev[]) #Total Residual Deviance

d[1]<-0
```

```
for (k in 2:nint){
       d[intlist[k]]~dnorm(0,.0001) }                          #Priors for main intervention effects

#Priors for component effects. Note these are in addition to main intervention effects
betaUC~dnorm(0, .0001)
betaWL~dnorm(0, .0001)
betaThirdW~dnorm(0, .0001)

for (c in 1:ncompCBT){
             betaCBT[c]~dnorm(0,.0001)  }                      # vague priors for component effects

sd ~ dunif(0,5)                                                # vague prior for between-trial SD.
tau <- pow(sd,-2)                                              # between-trial precision = (1/between-trial variance)

#CBT estimates for given component combinations
d[17]<- d[3]+betaUC
d[18]<- d[4]+betaWL
d[19]<- d[16]+betaThirdW

for (k in 20:(19+Xrow)){
       d[k]<-d[8]+inprod2(betaCBT[],X[(k-19),]) }

       for (c in 1:(nint+3+Xrow)) {                            # all SMDs for each comparison
             for (k in 1:(nint+3+Xrow)) {
                    smd[comblist[c],comblist[k]] <- (d[comblist[k]]-d[comblist[c]])  }}

dum[1]<-t[1,1]
dum[2]<- None[1,1]
dum[3]<-WL[1,1]
dum[4]<-UC[1,1]
dum[5]<-AtC[1,1]
dum[6]<-PsyS[1,1]
dum[7]<-PsyEd[1,1]
dum[8]<-Cog[1,1]
dum[9]<-Beh[1,1]
dum[10]<-Mind[1,1]
dum[11]<-ThirdW[1,1]
dum[12]<-Relax[1,1]
dum[13]<-Phys[1,1]
dum[14]<-Ex[1,1]
dum[15]<-ABM[1,1]

}
```

#DATA
#Components codes:
#Int=3=UC. Component: PsyEd
#Int=4=WL. Component: UC
#Int=8=CBT All have Cog. and Beh. Components: PsyEd, Mind, Relax
#Int=16=ThirdW. Component: (Mind+Relax) as a single component.

#Intervention main effect codes: 1=AtC, 2=None, 3=UC, 4=WL, 8=CBT , 12=M/R, 16=ThirdW
#Intervention Codes Contd: 17=UC+PEd, 18=WL+UC, 19=ThirdW+Mind+Relax, 20 = CBT+ PEd, 21=CBT+PEd+Mind, 22=CBT+PEd+Mind+Relax, 23=CBT+PEd+Relax, 24=CBT+Mind, 25=CBT+Mind+Relax, 26=CBT+Relax

list(ns=21, intlist=c(1,2,3,4,8,12,16), nint=7,ncompCBT=3, Xrow=7, comblist=c(1,2,3,4,8, 12,16,17,18,19, 20,21,22,23,24, 25,26))

PEd, Mind, Relax ... All CBT interventions have a Cog+Beh component

X[,1]	X[,2]	X[,3]	
1	0	0	#Int20 = CBT+ PEd
1	1	0	#Int21=CBT+PEd+Mind
1	1	1	#Int22=CBT+PEd+Mind+Relax
1	0	1	#Int23=CBT+PEd+Relax
0	1	0	#Int24=CBT+Mind
0	1	1	#Int25=CBT+Mind+Relax
0	0	1	#Int26=CBT+Relax

END

t[,1]	y[,1]	se[,1]	t[,2]	y[,2]	se[,2]	t[,3]	y[,3]	se[,3]	t[,4]	y[,4]	se[,4]	pooled.sd[]	J[]	na[]	Int[,1]	Int[,2]	Int[,3]
	Int[,4]	None[,1]	WL[,1]	UC[,1]	AtC[,1]	PsyS[,1]	PsyEd[,1]		Cog[,1]	Beh[,1]	Mind[,1]	ThirdW[,1]	Relax[,1]	Phys[,1]	Ex[,1]	ABM[,1]	None[,2]
	WL[,2]	UC[,2]	AtC[,2]	PsyS[,2]	PsyEd[,2]		Cog[,2]	Beh[,2]	Mind[,2]	ThirdW[,2]		Relax[,2]	Phys[,2]	Ex[,2]	ABM[,2]	None[,3]	WL[,3]	UC[,3]
	AtC[,3]	PsyS[,3]	PsyEd[,3]		Cog[,3]	Beh[,3]	Mind[,3]	ThirdW[,3]		Relax[,3]	Phys[,3]	Ex[,3]	ABM[,3]	None[,4]	WL[,4]	UC[,4]	AtC[,4]	PsyS[,4]
	PsyEd[,4]		Cog[,4]	Beh[,4]	Mind[,4]	ThirdW[,4]		Relax[,4]	Phys[,4]	Ex[,4]	ABM[,4]	# Study ID						

Data array as for full interaction model below

3. Full Interaction model (nested within interventions): (Implemented in WinBUGS)

```
model{

for(i in 1:ns){

w[i,1] <- 0                                          # adjustment for multi-arm trials is zero for control arm
delta[i,1] <- 0                                      # treatment effect is zero for control arm
mu[i] ~ dnorm(0,.0001)                               # vague priors for all trial baselines
      for (k in 1:na[i]) {                           # LOOP THROUGH ARMS
            var[i,k] <- pow(se[i,k],2)                                  # calculate variances
            prec[i,k] <- 1/var[i,k]                                     # set precisions
            y[i,k] ~ dnorm(phi[i,k],prec[i,k])                          # normal likelihood
            phi[i,k]<-theta[i,k]*(pooled.sd[i]/J[i])                    #Hedges G adjustment/ SMD
            theta[i,k] <- mu[i] + delta[i,k]
      Dnum[i,k] <- (y[i,k]-phi[i,k])*(y[i,k]-phi[i,k])
    dev[i,k] <- Dnum[i,k]/var[i,k]                                      #deviance arm k, study i

#Component model given only for Interventions 4=WL, 7=BFb, 8 = CBT
#All other interventions uniquely defined
      di[i,k]<- d[Int[i,k]] + equals(Int[i,k],3)*betaUC*PsyEd[i,k] + equals(Int[i,k],4)*betaWL*UC[i,k] +
      equals(Int[i,k],8)*(betaCBT[PsyEd[i,k]+1, Mind[i,k]+1,Relax[i,k]+1] +
      equals(Int[i,k],16)*betaThirdW*Mind[i,k]) }

resdev[i] <- sum(dev[i,1:na[i]])                          # summed residual deviance contribution for this trial
 for (k in 2:na[i]) {                                     # LOOP THROUGH ARMS
      delta[i,k] ~ dnorm(md[i,k],taud[i,k])               # trial-specific treatment effect distributions
      md[i,k] <- di[i,k] - di[i,1] + sw[i,k]              # mean of trt effects distributions(multi-arm
correction)
      taud[i,k] <- tau *2*(k-1)/k                         # precision of treat effects distributions (multi-arm
correction)
      w[i,k] <- (delta[i,k] - (di[i,k] - di[i,1]))        # adjustment for multi-arm RCTs
      sw[i,k] <- sum(w[i,1:k-1])/(k-1) }}

totresdev <- sum(resdev[])                                #Total Residual Deviance
d[1]<-0

for (k in 2:nint){                                        #Priors for main intervention effects
```

```
      d[intlist[k]]~dnorm(0,.0001) }

#Priors for component effects for CBT. Note these are in addition to main intervention effects
betaUC~dnorm(0, .0001)
betaWL~dnorm(0, .0001)
betaThirdW~dnorm(0, .0001)

betaCBT[1,1,2]~dnorm(0,.0001)
betaCBT[2,1,1]~dnorm(0,.0001)
betaCBT[2,1,2]~dnorm(0,.0001)
betaCBT[2,2,2]~dnorm(0,.0001)

betaCBT[1,1,1]<-0
betaCBT[2,2,1]<-0
betaCBT[1,2,1]<-0
betaCBT[1,2,2]<-0


sd ~ dunif(0,5)                                          # vague prior for between-trial SD.
tau <- pow(sd,-2)                                        # between-trial precision = (1/between-trial variance)

#CBT estimates for given component combinations
d[17]<- d[3]+betaUC
d[18]<- d[4]+betaWL
d[19]<- d[16]+betaThirdW

for (k in 20:(19+Xrow)){
      d[k]<-d[8]+betaCBT[X[(k-19),1]+1,X[(k-19),2]+1,X[(k-19),3]+1] }

      for (c in 1:(nint+3+Xrow)) {                       # all SMDs for each comparison
            for (k in 1:(nint+3+Xrow)) {
                  smd[comblist[c],comblist[k]] <- (d[comblist[k]]-d[comblist[c]])  }}

dum[1]<-t[1,1]
dum[2]<- None[1,1]
dum[3]<-WL[1,1]
dum[4]<-UC[1,1]
dum[5]<-AtC[1,1]
dum[6]<-PsyS[1,1]
```

```
dum[7]<-PsyEd[1,1]
dum[8]<-Cog[1,1]
dum[9]<-Beh[1,1]
dum[10]<-Mind[1,1]
dum[11]<- ThirdW[1,1]
dum[12]<-Relax[1,1]
dum[13]<-Phys[1,1]
dum[14]<-Ex[1,1]
dum[15]<-ABM[1,1]
}
```

#DATA

#Intervention main effect codes: 1=AtC, 2=none, 3=UC, 4=WL, 8=CBT , 12=M/R, 16=ThirdW
#Intervention Codes Contd: 17=UC+PEd, 18=WL+UC, 19=ThirdW+Mind+Relax, 20 = CBT+ PEd, 21=CBT+PEd+Mind+Relax, 22=CBT+PEd+Relax, 23=CBT+Relax
#All combinations of Int=4=WL and Int=8=CBT modelled separately.

list(ns=21, intlist=c(1,2,3,4,8,12,16), nint=7, Xrow=4, comblist=c(1,2,3,4,8,12,16,17,18,19,20,21,22,23))

PEd, Mind, Relax, ... All CBT interventions have a Cog+Beh component

X[,1]	X[,2]	X[,3]	
1	0	0	#Int20 = CBT+ PEd
1	1	1	#Int21=CBT+PEd+Mind+Relax
1	0	1	#Int22=CBT+PEd+Relax
0	0	1	#Int23=CBT+Relax

END

##Data array below is used in all 3 programmes###

t[,1]	y[,1] Int[,4] UC[,2] PsyEd[,3] Mind[,4]	se[,1] None[,1] AtC[,2] Cog[,3] ThirdW[,4]	t[,2] WL[,1] PsyS[,2] Beh[,3]	y[,2] UC[,1] PsyEd[,2] Mind[,3] Relax[,4]	se[,2] AtC[,1] Cog[,2] ThirdW[,3] Phys[,4]	t[,3] PsyS[,1] Beh[,2] Ex[,4]	y[,3] PsyEd[,1] Mind[,2] Relax[,3] ABM[,4]	se[,3] Cog[,1] ThirdW[,2] Phys[,3] # Study ID	t[,4] Beh[,1] Ex[,3]	y[,4] Mind[,1] Relax[,2] ABM[,3]	se[,4] ThirdW[,1] Phys[,2] None[,4]	pooled.sd[] Ex[,2] WL[,4]	Relax[,1] ABM[,2] UC[,4]	J[] Phys[,1] None[,3] AtC[,4]	na[] Ex[,1] WL[,3] PsyS[,4]	Int[,1] ABM[,1] UC[,3] PsyEd[,4]	Int[,2] None[,2] AtC[,3] Cog[,4]	Int[,3] WL[,2] PsyS[,3] Beh[,4]	
2	0.55	0.265	14	0.56	0.245	14	0.28	0.343	NA	NA	NA	8.227	0.999	3	4	8	8	NA	0
	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1
	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	-0.86	0.340	14	-0.65	0.295	NA	NA	NA	NA	NA	NA	4.450	0.997	2	4	8	NA	NA	0
	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	1	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3	-0.32	0.105	20	-0.56	0.095	NA	NA	NA	NA	NA	NA	1.700	0.999	2	3	16	NA	NA	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	1	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	0.536	0.991	28	-3	1.337	NA	NA	NA	NA	NA	NA	6.716	0.978	2	4	8	NA	NA	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3	0.06	0.040	35	0.09	0.035	NA	NA	NA	NA	NA	NA	0.461	0.997	2	3	16	NA	NA	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3	-0.05	0.039	35	0.04	0.035	35	0.04	0.0369	NA	NA	NA	0.609	0.998	3	3	16	16	NA	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4	-0.4	0.310	37	-0.8	0.310	NA	NA	NA	NA	NA	NA	6.608	0.999	2	1	8	NA	NA	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1	-0.11	1.551	28	-1.78	1.377	NA	NA	NA	NA	NA	NA	10.520	0.999	2	2	8	NA	NA	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1	1	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
8	1.31	1.692	8	-3.9	2.315	NA	NA	NA	NA	NA	NA	6.076	0.973	2	8	8	NA	NA	0
	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

1	-2.13	0.896	28	-2	0.787	NA	NA	NA	NA	NA	NA	15.207	0.999	2	2	8	NA	NA	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	0.07	0.277	8	-1.02	0.359	NA	NA	NA	NA	NA	NA	6.416	0.999	2	4	8	NA	NA	0
	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3	-2.23	0.488	22	-1.64	0.463	NA	NA	NA	NA	NA	NA	6.597	0.998	2	3	8	NA	NA	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4	0.2	1.279	11	-2.04	0.930	NA	NA	NA	NA	NA	NA	7.685	0.990	2	1	12	NA	NA	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	0	0	0	0	1	1	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	-1.08	2.600	30	-12.07	2.176	NA	NA	NA	NA	NA	NA	9.885	0.973	2	4	12	NA	NA	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	0	0	1	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	-0.84	2.238	18	-5.25	1.666	NA	NA	NA	NA	NA	NA	14.882	0.987	2	4	8	NA	NA	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2	-4.27	1.115	18	-3.52	0.490	NA	NA	NA	NA	NA	NA	8.090	0.999	2	4	8	NA	NA	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3	0.26	0.493	28	-1.34	0.416	28	-0.84	0.434	NA	NA	NA	4.576	0.999	3	3	8	8	NA	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1	-1.4	1.194	28	-2.97	0.998	NA	NA	NA	NA	NA	NA	5.638	0.982	2	2	8	NA	NA	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1	-0.28	0.657	35	-0.89	0.479	NA	NA	NA	NA	NA	NA	6.747	0.999	2	2	8	NA	NA	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
18	-1.51	0.632	18	-0.63	0.646	NA	NA	NA	NA	NA	NA	5.807	0.995	2	8	8	NA	NA	0
	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1
	1	1	0	0	1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

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3       -1.2    0.682   22      -3.26   0.667   NA      NA      NA      NA      NA      NA      7.516   0.996   2       3       8       NA      NA      0
        0       1       0       0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0
        1       1       0       0       0       0       0       0       NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA
        NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA      NA

END
```