

BN - Assignment 2

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Contents

| | | |
|----------|--|------------|
| 1 | Already there: | 2 |
| 1.1 | Investigate what is the effect of data discretisation on the structure of the learnt Bayesian . . | 2 |
| 1.2 | Investigate what is the effect of the size of the dataset on the structure of the learnt | 2 |
| 1.3 | Define measures that can be used to determine the quality of a learning algorithm in | 2 |
| 1.4 | Use these measures in order to evaluate the quality of both classes of learning algorithms . . | 2 |
| 1.5 | Compare the marginal probability distributions of the learnt NHL Bayesian network with . . | 2 |
| 1.6 | Learn a Bayesian network from the breast cancer dataset using a search-and-score or | 3 |
| 1.7 | Develop a special purpose (e.g., NBN or TAN) Bayesian network (see Section B.2 in | 3 |
| 1.8 | Compare the Bayesian network obtained by step (6) and the special purpose Bayesian | 3 |
| 2 | comparison of two learning algos | 3 |
| 2.1 | data discretization | 3 |
| 2.2 | size of dataset | 9 |
| 2.3 | comparison to manually constructed bayes network | 14 |
| 3 | define measures for quality of a learning algorithm in terms of a known bayes network structure, motivate definition | 15 |
| 3.1 | use measures to evaluate both classes of learning algos for NHL dataset | 16 |
| 3.2 | compare margial prob distributions of learnt NHL bN with those of the manually coinstructed ones | 16 |
| 4 | develop special purpose BN (NBN or TAN, see .2) | 132 |
| 4.1 | compare BN and SPBN with manually constructed network in terms of network structure, goodnes of fit scores (lkikelohood,...) and accuracy measures such as misclassification error and ROC (B.2) | 132 |
| 5 | Attachment A | 150 |
| 5.1 | Iris dataset | 150 |
| 5.2 | BC Dataset | 156 |
| 5.3 | NHL dataset | 159 |
| 6 | list of figures | 160 |
| 7 | references | 161 |

1 Already there:

1.1 Investigate what is the effect of data discretisation on the structure of the learnt Bayesian

network, e.g., in terms of number of arcs, changes in arc direction, etc., by considering three discretisations of the continuous features in the iris dataset with different number of bins (see Section B.3). Do this for both classes of learning algorithms and compare the results.

1.1.1 there: get discretization for data set

1.1.2 Missing: write what “number of arcs, changes in arc direction, etc” changes there are

1.2 Investigate what is the effect of the size of the dataset on the structure of the learnt

Bayesian network by considering three subsets of the breast cancer dataset with different number of samples. Do this for both classes of learning algorithms and compare the results.

1.2.1 there: get size of dataset changed and plot

1.2.2 Missing: investigate “number of arcs, changes in arc direction, etc”

1.3 Define measures that can be used to determine the quality of a learning algorithm in

terms of a known Bayesian network structure. Motivate the definition of these measures

1.3.1 there: Define ???

1.3.2 Missing: motivate???

1.4 Use these measures in order to evaluate the quality of both classes of learning algorithms

for the NHL dataset.

1.4.1 there: plot NHL algorithm

1.4.2 Missing: evaluate NHL with new measure

1.5 Compare the marginal probability distributions of the learnt NHL Bayesian network with

those of the manually constructed network.

1.5.1 there: marginal probabilities

1.5.2 Missing: comparison, find manually constructed network

1.6 Learn a Bayesian network from the breast cancer dataset using a search-and-score or

constraint-based algorithm

1.6.1 there: Done

1.6.2 Missing:

1.7 Develop a special purpose (e.g., NBN or TAN) Bayesian network (see Section B.2 in

the appendix).

1.7.1 there: Done

1.7.2 Missing:

1.8 Compare the Bayesian network obtained by step (6) and the special purpose Bayesian

network from (7) with the manually constructed network in Figure 2 in terms of network structure, goodness of fit scores (e.g., likelihood) and accuracy using measures such as misclassification error and area under the ROC curve from cross-validation (see Section B.2 in the appendix)

1.8.1 there:

1.8.2 Missing: comparison

2 comparison of two learning algos

2.1 data discretization

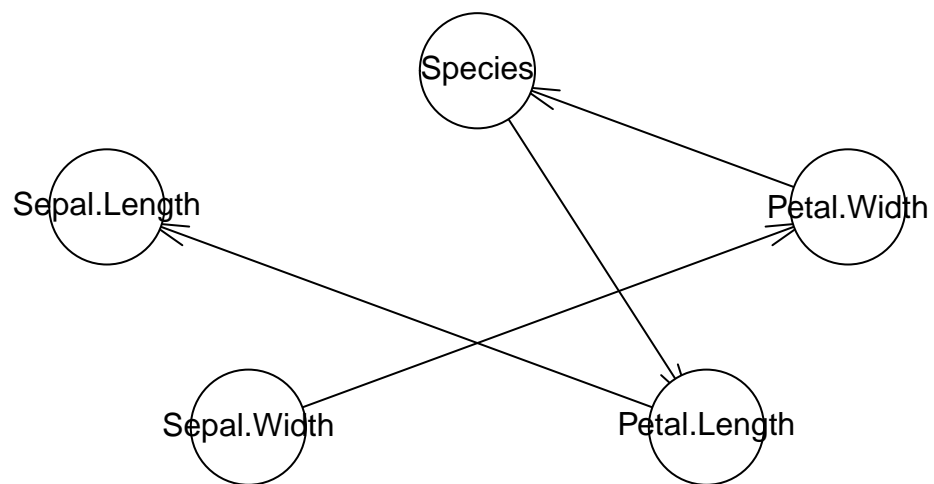
data discretization: number of arcs, changes in arc direction,... three discretizations in the iris data with different number of bins (B.3). Do this for both classes (constraint based or search and score). Compare the results

```
for( bins in c(3,5,7)){
tmp=discretize(iris[-5], method = 'hartemink',ibreaks=bins)
NewIris = cbind(tmp,iris[5])

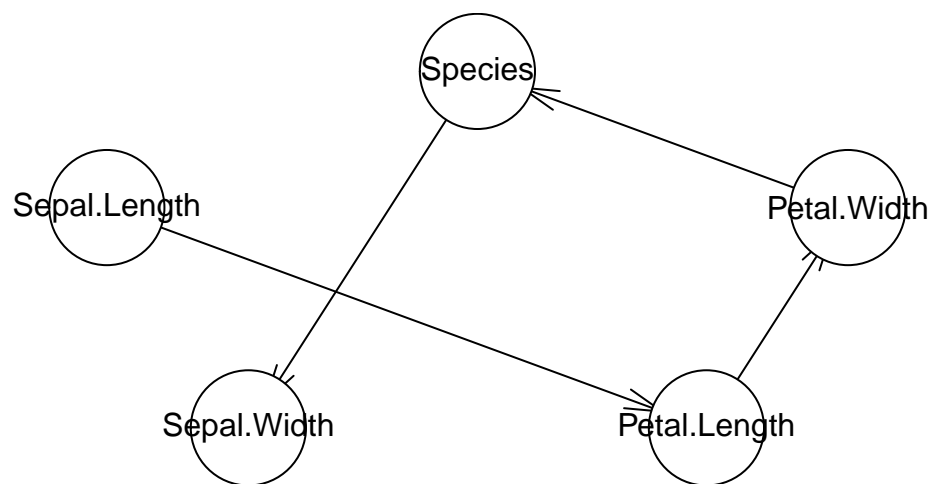
IrisNetsb <- tabu(NewIris)

plot(IrisNetsb, font.main = 1, main = paste("SB, ibreaks = ", bins))
}
```

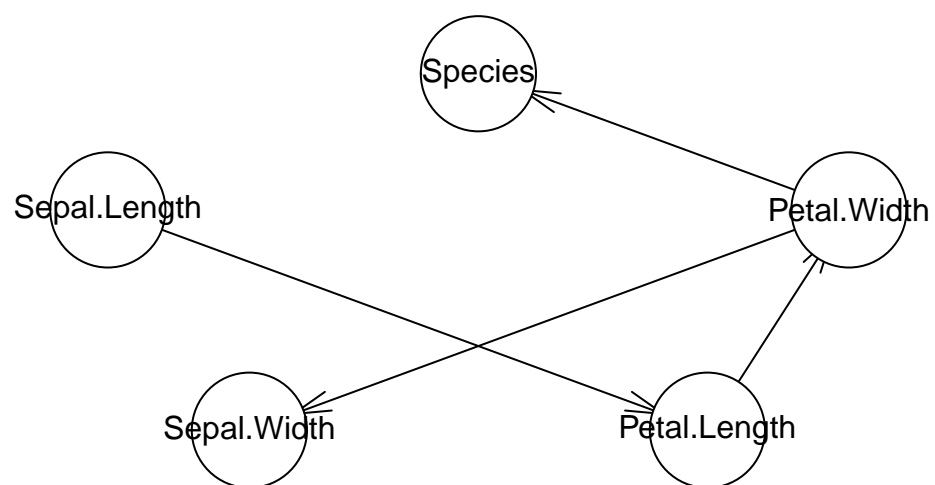
SB, ibreaks = 3



SB, ibreaks = 5

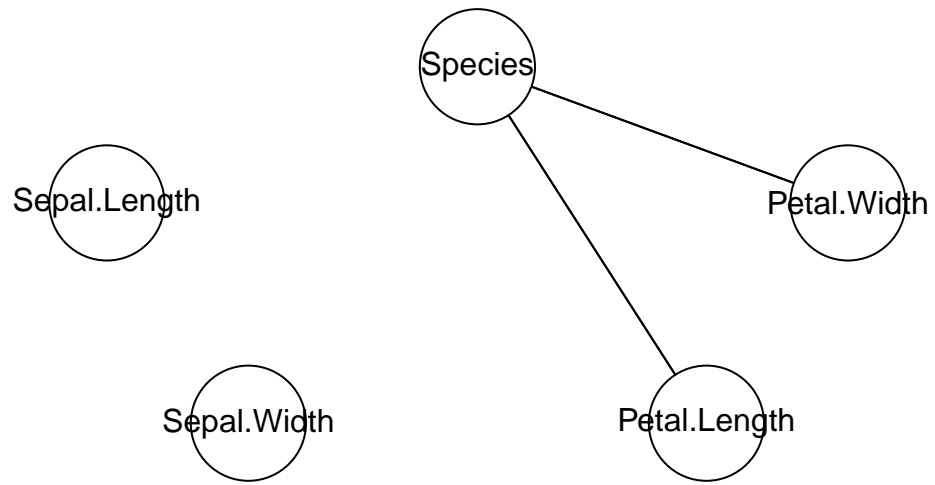


SB, ibreaks = 7

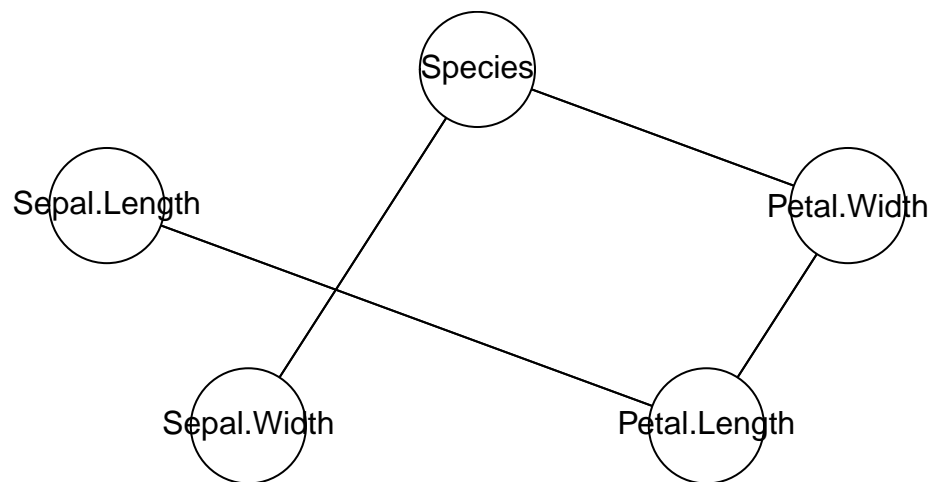


```
for( bins in c(3,5,7)){  
  tmp=discretize(iris[-5], method = 'hartemink',ibreaks=bins)  
  NewIris = cbind(tmp,iris[5])  
  
  IrisNetcb <- iamb(NewIris)  
  
  plot(IrisNetcb, font.main = 1, main = paste("CB, ibreaks = ", bins))  
}
```

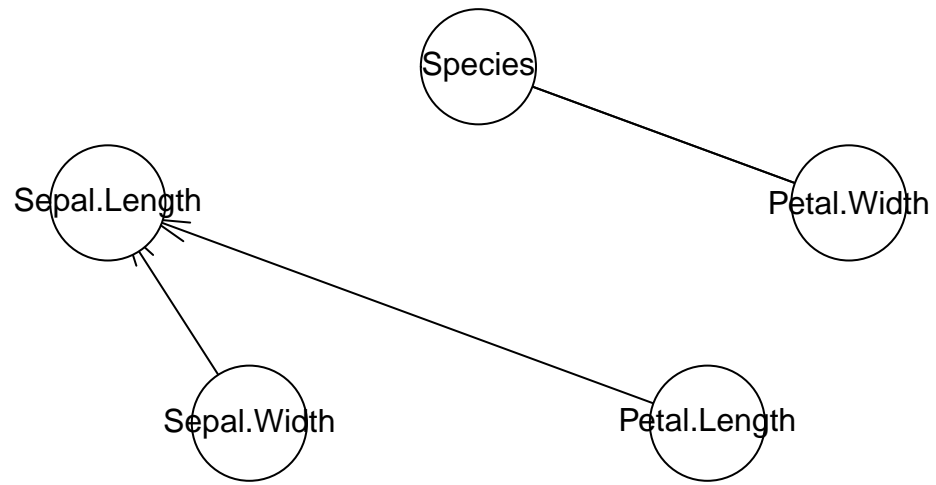
CB, ibreaks = 3



CB, ibreaks = 5



CB, ibreaks = 7



constraint based:

- grow-shrink (GS())
- incremental association markov blanket (IAMB())
- Fast incremental association (FAST-IAMB())
- interleaved incremental Association (inter-IAMB)

score based learning algos:

- Hill climbing (HC)
- Tabu search (Tabu)

2.2 size of dataset

consider subsets of BC-dataset with different number of samples. both classes of learning algios, compare results

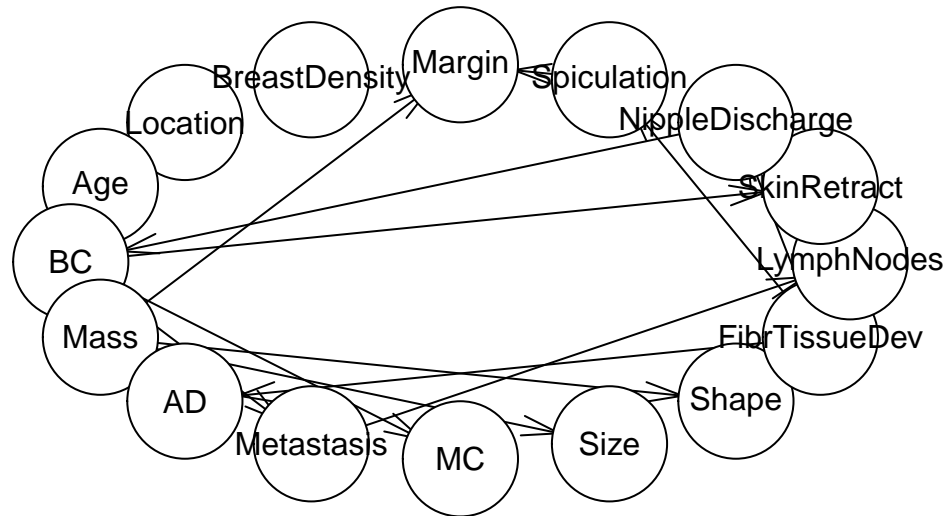
```
a <- read.csv('bc.csv')

for(part in c(10,2,1)){
  ind = sample(1:(nrow(a)/part))
  BC <- a[ind,]

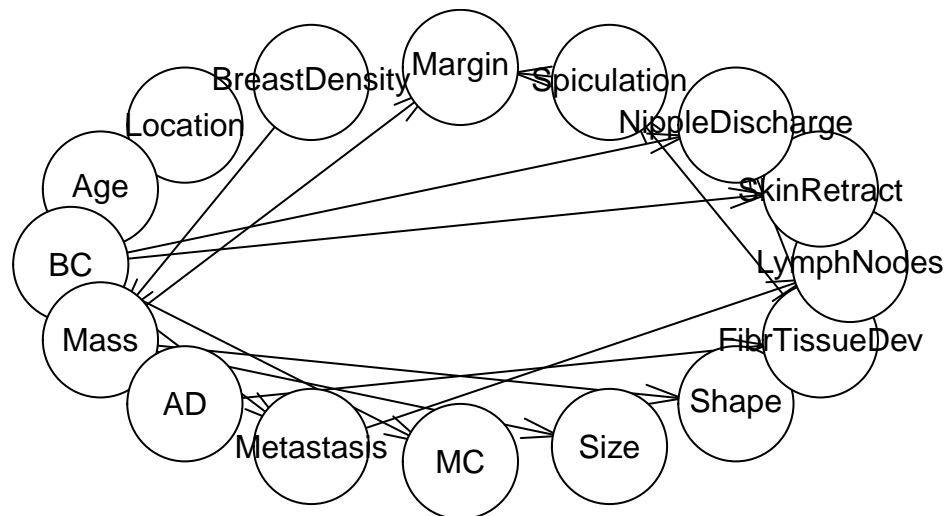
  BC_cbl <- tabu(BC)

  plot(BC_cbl , font.main = 1, main = paste("CB, every ", part, "Datapoint"))
}
```

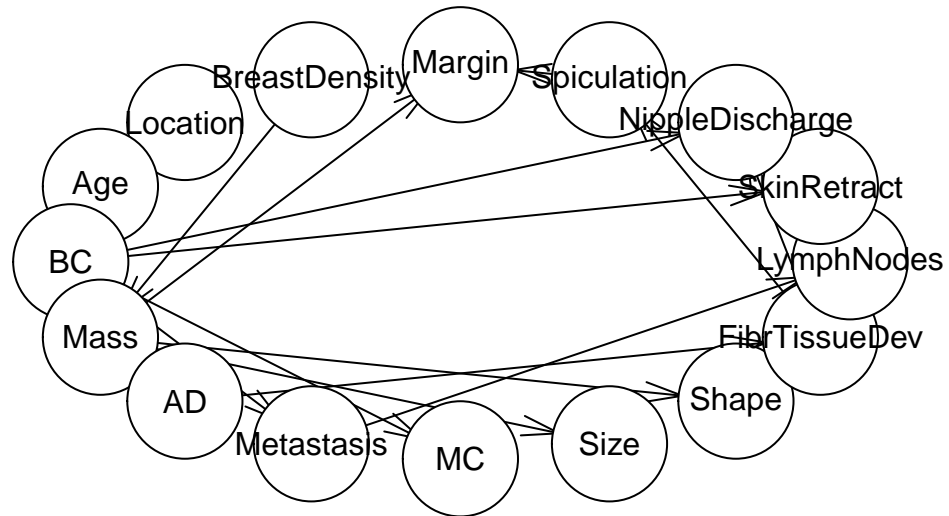
CB, every 10 Datapoint



CB, every 2 Datapoint



CB, every 1 Datapoint

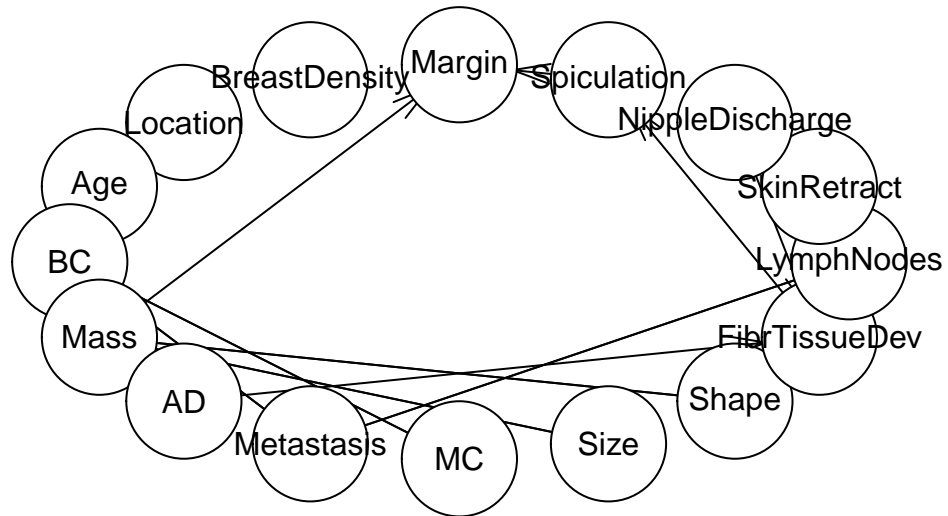


```
for(part in c(1,2,10)){
  ind = sample(1:(nrow(a)/part))
  BC <- a[ind,]

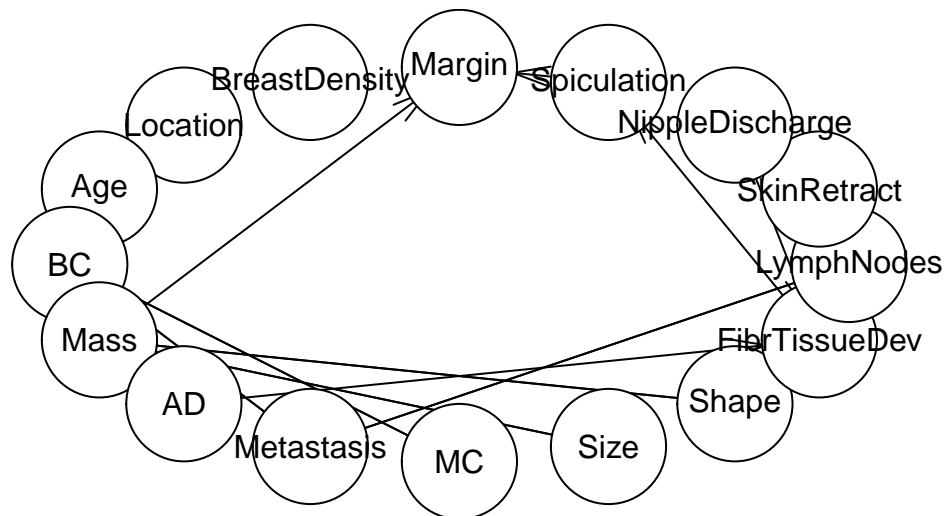
  BC_sbl <- iamb(BC)

  plot(BC_sbl, font.main = 1, main = paste("SB, every ", part, "Datapoint"))
}
```

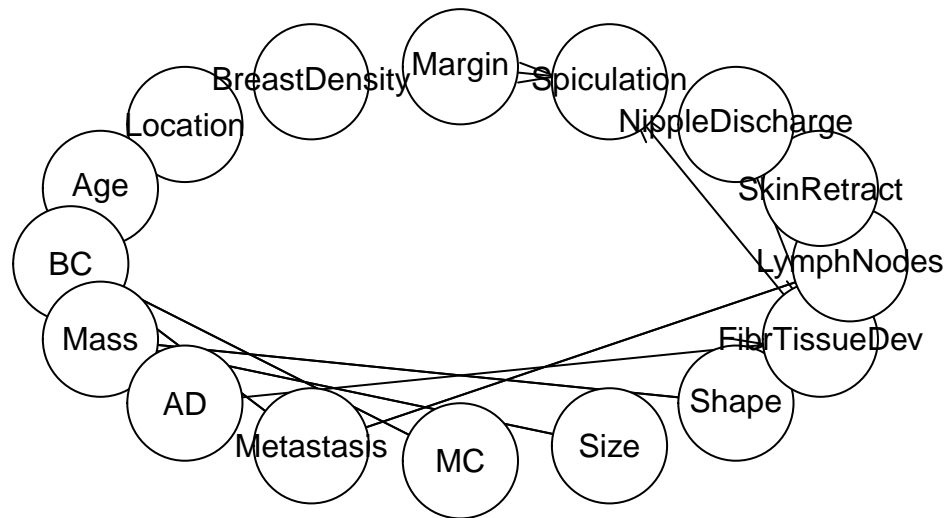
SB, every 1 Datapoint



SB, every 2 Datapoint



SB, every 10 Datapoint



2.3 comparison to manually constructed bayes network

```
Tmp = read.csv("nhl.csv", nrow = 5)

class = rep(list("factor"), ncol(Tmp))

NHL = read.csv("nhl.csv", colClasses = class)

#impute(NHL[, c(2:ncol(Tmp))], fun=median)
#impute(NHL)
#impute(NHL[, c(2:3)], fun=median)

Tmp2 <- complete.cases(NHL)
NHL <- NHL[Tmp2,]

NHLnet_sbl <- tabu(NHL)
```

```
## Warning in check.data(x): variable AGE has levels that are not observed in
## the data.
```

```
## Warning in check.data(x): variable BM_DEPRESSION has levels that are not
## observed in the data.
```

```
NHLnet_cbl <- iamb(NHL)
```

```
## Warning in check.data(x): variable AGE has levels that are not observed in
## the data.
```

```
## Warning in check.data(x): variable BM_DEPRESSION has levels that are not
## observed in the data.
```

```
plot(NHLnet_sbl)
title("NHL sbl")
```

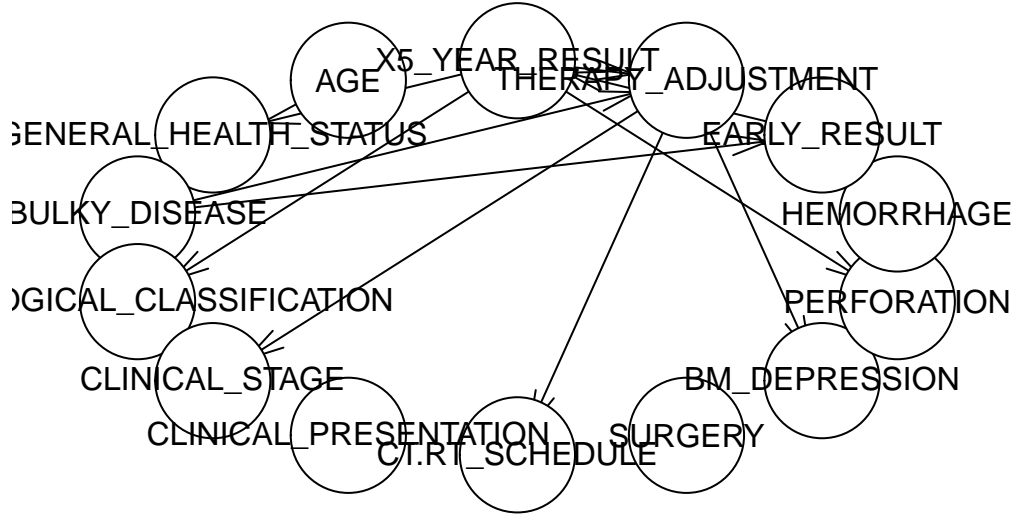
```
plot(NHLnet_cbl)
title("NHL cbl")
```

NHL dataset, liad column classes as factor (A.4)

missing data : probably median since mean desn't make sense for factors.

check for differences, unterschiedliche zahl nodes is ok.

NHL sbi



3 define measures for quality of a learning algorithm in terms of a known bayes network structure, motivate definition

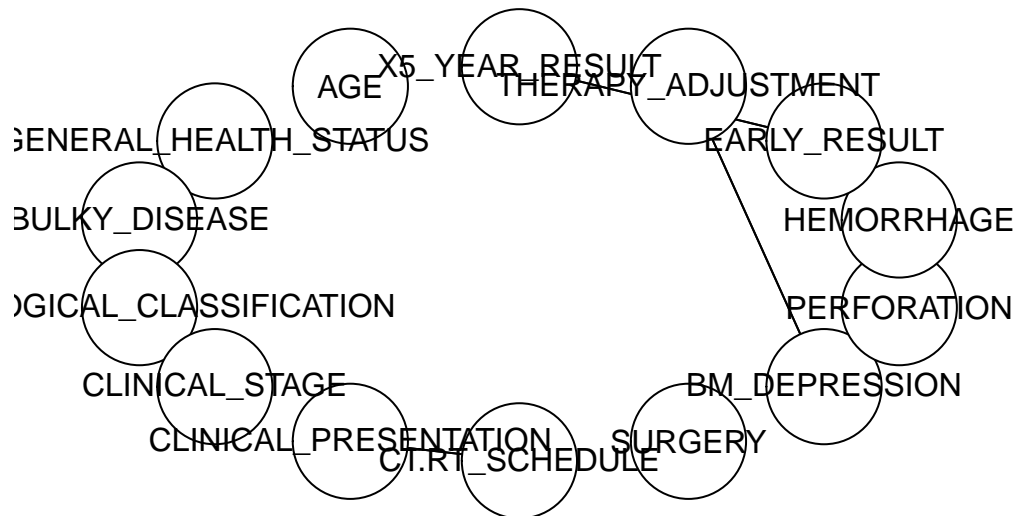
I have to be honest: I do not really understand that Question. Do the authors suggest I find a measure that is original in describing the quality of a bayesian Network? I'm sure that can't be true.

My measure for quality of the learning algorithm is Aruhga, which is the Quotient between nodes and vertices.

$$Aruhga = \frac{Nodes}{Vertices}$$

Aruhga is a binary measure with the classes {useful, not useful}, depending on whether Aruhga falls inside the interval $[\alpha, \beta]$. α and β are depending heavily on the purpose and topic of the network and should normally be defined by logical reasoning before constructing the network. However, since the expert knowledge and necessary publications are not always readily available, the author provides some default values with $\alpha = 2.3$ and $\beta = 1.2/Nodes!$. Please note that Aruhga is a measure of the connectivity of the network. values above alpha may indicate that too many nodes are used, thus either weakening the correlation between the single nodes OR bringing in Nodes that are not relevant for each other. Networks with a value below beta indicate that the network is highly connected which might reduce functionality and also might point to a circular relationship between variables in the real world that cannot be represented by a DAG.

NHL cbl



3.1 use measures to evaluate both classes of learning algs for NHL dataset

3.1.1 iris data set

learnt with score learning algorithm: $Aruhga = 5/4 = 1.25$; $\beta = 1.2/5 = 0.002$. learnt with Constraint based algorithm: $Aruhga = 5/2 = 2.5$; $\beta = 1.2/5 = .002$

While the score learning algorithm scores well in terms of $Aruhga$, the constraint based algorithm falls out of the default interval. Given that `sepal.length`, `sepal.width` and `petal.length` are likely caused by the species, we would say that the constraint based algorithm performs poorly on this dataset.

3.1.2 Breast cancer dataset

nodes = 16, vertices = scoreFull =

3.1.3 NHL

3.2 compare marginal prob distributions of learnt NHL bN with those of the manually coconstructed ones

since constraint based algorithms do not necessarily produce directed graphs, we will only examine score based algorithms.


```
fittedNHL = bn.fit(NHLnet_sbl,NHL)
```

```
## Warning in check.data(data): variable AGE has levels that are not observed
## in the data.
```

```
## Warning in check.data(data): variable BM_DEPRESSION has levels that are
## not observed in the data.
```

```
#fittedNHL2 = bn.fit(NHLnet_cbl,NHL)
# diagnostic BN structures
```

```
fittedNHL
```

```
##
##   Bayesian network parameters
##
##   Parameters of node AGE (multinomial distribution)
##
## Conditional probability table:
##
##           1           10           11           2           3           4
## 0.009345794 0.224299065 0.084112150 0.000000000 0.046728972 0.028037383
##           5           6           7           8           9
## 0.130841121 0.121495327 0.140186916 0.084112150 0.130841121
##
##   Parameters of node GENERAL_HEALTH_STATUS (multinomial distribution)
##
##Conditional probability table:
##
##                X5_YEAR_RESULT
## GENERAL_HEALTH_STATUS      1      2
##                1 0.3965517 0.1632653
##                2 0.6034483 0.5918367
##                3 0.0000000 0.2448980
##
##   Parameters of node BULKY_DISEASE (multinomial distribution)
##
##Conditional probability table:
##
##           1           2
## 0.7383178 0.2616822
##
##   Parameters of node HISTOLOGICAL_CLASSIFICATION (multinomial distribution)
##
##Conditional probability table:
##
##                X5_YEAR_RESULT
## HISTOLOGICAL_CLASSIFICATION      1      2
##                1 0.63793103 0.18367347
##                2 0.34482759 0.81632653
##                3 0.01724138 0.00000000
##
```

```

## Parameters of node CLINICAL_STAGE (multinomial distribution)
##
## Conditional probability table:
##
##           THERAPY_ADJUSTMENT
## CLINICAL_STAGE      0      1
##           1 0.75555556 0.17647059
##           2 0.11111111 0.17647059
##           3 0.04444444 0.29411765
##           4 0.00000000 0.11764706
##           5 0.08888889 0.23529412
##
## Parameters of node CLINICAL_PRESENTATION (multinomial distribution)
##
## Conditional probability table:
##
##           1      2      3      4
## 0.644859813 0.168224299 0.177570093 0.009345794
##
## Parameters of node CT.RT_SCHEDULE (multinomial distribution)
##
## Conditional probability table:
##
##           THERAPY_ADJUSTMENT
## CT.RT_SCHEDULE      0      1
##           0 0.01111111 0.00000000
##           1 0.93333333 0.29411765
##           2 0.04444444 0.29411765
##           3 0.01111111 0.41176471
##
## Parameters of node SURGERY (multinomial distribution)
##
## Conditional probability table:
##
##           1      2      3
## 0.79439252 0.14953271 0.05607477
##
## Parameters of node BM_DEPRESSION (multinomial distribution)
##
## Conditional probability table:
##
##           THERAPY_ADJUSTMENT
## BM_DEPRESSION      0      1
##           1 1.00000000 0.00000000
##           2 0.00000000 0.8823529
##           3 0.00000000 0.1176471
##           9 0.00000000 0.00000000
##
## Parameters of node PERFORATION (multinomial distribution)
##
## Conditional probability table:
##
##           X5_YEAR_RESULT
## PERFORATION      1      2

```

```

##          1 1.00000000 0.93877551
##          2 0.00000000 0.06122449
##
## Parameters of node HEMORRHAGE (multinomial distribution)
##
## Conditional probability table:
##
##          1          2
## 0.92523364 0.07476636
##
## Parameters of node EARLY_RESULT (multinomial distribution)
##
## Conditional probability table:
##
##          BULKY_DISEASE
## EARLY_RESULT          1          2
##          1 0.89873418 0.50000000
##          2 0.03797468 0.25000000
##          3 0.03797468 0.03571429
##          4 0.02531646 0.21428571
##
## Parameters of node THERAPY_ADJUSTMENT (multinomial distribution)
##
## Conditional probability table:
##
## , , X5_YEAR_RESULT = 1
##
##          BULKY_DISEASE
## THERAPY_ADJUSTMENT          1          2
##          0 1.0000000 0.5714286
##          1 0.0000000 0.4285714
##
## , , X5_YEAR_RESULT = 2
##
##          BULKY_DISEASE
## THERAPY_ADJUSTMENT          1          2
##          0 0.8214286 0.5714286
##          1 0.1785714 0.4285714
##
## Parameters of node X5_YEAR_RESULT (multinomial distribution)
##
## Conditional probability table:
##
##          EARLY_RESULT
## X5_YEAR_RESULT          1          2          3          4
##          1 0.6705882 0.1000000 0.0000000 0.0000000
##          2 0.3294118 0.9000000 1.0000000 1.0000000

```

```
#fittedNHL2
```

get the manually constructed network:

```
manual = read.net("nhl.net")
```

```
#manual
```

```
#manNet = bn.fit(manual,a)
```

```
names(manual)
```

```
## [1] "POST_SURGICAL_SURVIVAL"      "AGE"
## [3] "CLINICAL_STAGE"             "HELICOBACTER_TREATMENT"
## [5] "CLINICAL_PRESENTATION"      "EARLY_RESULT"
## [7] "SURGERY"                    "THERAPY_ADJUSTMENT"
## [9] "CT_RT_SCHEDULE"             "POST_CT_RT_SURVIVAL"
## [11] "HISTOLOGICAL_CLASSIFICATION" "ERADICATION"
## [13] "HEMORRHAGE"                 "BULKY_DISEASE"
## [15] "PERFORATION"                "IMMEDIATE_SURVIVAL"
## [17] "GENERAL_HEALTH_STATUS"      "FIVE_YEAR_RESULT"
## [19] "HELICOBACTER_PYLORI"        "BM_DEPRESSION"
```

```
typeof(manual)
```

```
## [1] "list"
```

```
manual
```

```
##
## Bayesian network parameters
##
## Parameters of node POST_SURGICAL_SURVIVAL (multinomial distribution)
##
## Conditional probability table:
##
## , , SURGERY = NONE, GENERAL_HEALTH_STATUS = POOR
##
## CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
## NO 0.00 0.20 0.90 0.30
## YES 1.00 0.80 0.10 0.70
##
## , , SURGERY = CURATIVE, GENERAL_HEALTH_STATUS = POOR
##
## CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
## NO 0.20 0.40 0.50 0.25
## YES 0.80 0.60 0.50 0.75
##
## , , SURGERY = PALLIATIVE, GENERAL_HEALTH_STATUS = POOR
##
## CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
## NO 0.40 0.60 0.60 0.40
## YES 0.60 0.40 0.40 0.60
##
```

```

## , , SURGERY = NONE, GENERAL_HEALTH_STATUS = AVERAGE
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.00      0.10      0.80      0.10
##          YES 1.00      0.90      0.20      0.90
##
## , , SURGERY = CURATIVE, GENERAL_HEALTH_STATUS = AVERAGE
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.10      0.15      0.25      0.10
##          YES 0.90      0.85      0.75      0.90
##
## , , SURGERY = PALLIATIVE, GENERAL_HEALTH_STATUS = AVERAGE
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.20      0.30      0.35      0.20
##          YES 0.80      0.70      0.65      0.80
##
## , , SURGERY = NONE, GENERAL_HEALTH_STATUS = GOOD
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.00      0.05      0.70      0.02
##          YES 1.00      0.95      0.30      0.98
##
## , , SURGERY = CURATIVE, GENERAL_HEALTH_STATUS = GOOD
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.03      0.10      0.10      0.05
##          YES 0.97      0.90      0.90      0.95
##
## , , SURGERY = PALLIATIVE, GENERAL_HEALTH_STATUS = GOOD
##
##          CLINICAL_PRESENTATION
## POST_SURGICAL_SURVIVAL NONE HEMORRHAGE PERFORATION OBSTRUCTION
##          NO  0.10      0.20      0.30      0.12
##          YES 0.90      0.80      0.70      0.88
##
## Parameters of node AGE (multinomial distribution)
##
## Conditional probability table:
##      v10_19    v20_29    v30_39    v40_44    v45_49    v50_54
## 0.00500000 0.02999999 0.06000000 0.07000000 0.07000000 0.10000000
##      v55_59    v60_64    v65_69    v70_79    v80_89    vGE90
## 0.12000000 0.15000000 0.15000000 0.20000000 0.04000000 0.00500000
##
## Parameters of node CLINICAL_STAGE (multinomial distribution)
##
## Conditional probability table:

```

```

##
##          AGE
## CLINICAL_STAGE    v10_19    v20_29    v30_39    v40_44    v45_49
##          I    0.250000000 0.250000010 0.500000000 0.600000018 0.600000018
##          II1 0.300000000 0.300000012 0.250000000 0.200000006 0.200000006
##          II2 0.250000000 0.250000010 0.150000020 0.100000003 0.100000003
##          III 0.000000000 0.000000000 0.000000000 0.000000000 0.000000000
##          IV 0.200000000 0.199999968 0.099999980 0.099999973 0.099999973
##          AGE
## CLINICAL_STAGE    v50_54    v55_59    v60_64    v65_69    v70_79
##          I    0.600000018 0.600000000 0.500000005 0.425000004 0.250000000
##          II1 0.200000006 0.200000000 0.250000003 0.275000003 0.350000000
##          II2 0.100000003 0.100000000 0.150000002 0.150000002 0.250000030
##          III 0.000000000 0.000000000 0.000000000 0.010000000 0.010000000
##          IV 0.099999973 0.100000000 0.099999991 0.139999991 0.139999970
##          AGE
## CLINICAL_STAGE    v80_89    vGE90
##          I    0.249999980 0.200000000
##          II1 0.349999972 0.275000000
##          II2 0.250000010 0.225000000
##          III 0.009999999 0.100000000
##          IV 0.140000039 0.200000000
##
## Parameters of node HELICOBACTER_TREATMENT (multinomial distribution)
##
## Conditional probability table:
##      NO  YES
## 0.55 0.45
##
## Parameters of node CLINICAL_PRESENTATION (multinomial distribution)
##
## Conditional probability table:
##      NONE  HEMORRHAGE  PERFORATION  OBSTRUCTION
## 0.84999999 0.12000000 0.02000000 0.01000001
##
## Parameters of node EARLY_RESULT (multinomial distribution)
##
## Conditional probability table:
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_C
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE      RT      CT  CT_NEXT_RT
##          CR 0.000000000 0.899999937 0.750000015 0.949999953
##          PR 0.000000000 0.019999999 0.100000002 0.029999999
##          NC 0.100000000 0.029999998 0.070000001 0.010000000
##          PD 0.900000000 0.050000066 0.079999982 0.010000049
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGIC
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE      RT      CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.900000000 0.949999962
##          PR 0.050000000 0.050000000 0.100000000 0.029999999

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.000000000 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.899999964 0.900000000 0.949999962
##          PR 0.000000000 0.019999999 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.080000037 0.000000000 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.899999937 0.650000000 0.849999941
##          PR 0.000000000 0.019999999 0.100000000 0.029999998
##          NC 0.100000000 0.029999998 0.070000000 0.009999999
##          PD 0.900000000 0.050000066 0.180000000 0.110000062
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.900000000 0.949999962
##          PR 0.050000000 0.050000000 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.000000000 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.899999964 0.900000000 0.949999962
##          PR 0.000000000 0.019999999 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.080000037 0.000000000 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000023 0.650000000 0.850000017
##          PR 0.000000000 0.100000003 0.100000000 0.100000002
##          NC 0.100000000 0.050000002 0.120000000 0.030000001
##          PD 0.900000000 0.099999973 0.130000000 0.019999980
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.850000026 0.700000000 0.900000000
##          PR 0.199999996 0.050000002 0.100000000 0.100000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000015 0.700000000 0.900000000
##          PR 0.000000000 0.100000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.149999983 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000023 0.549999966 0.750000000
##          PR 0.000000000 0.100000003 0.100000003 0.100000000
##          NC 0.100000000 0.050000002 0.120000004 0.030000000
##          PD 0.900000000 0.099999973 0.230000027 0.120000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.850000026 0.700000000 0.900000000
##          PR 0.199999996 0.050000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000015 0.700000000 0.900000000
##          PR 0.000000000 0.100000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.149999983 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.499999980 0.649999994
##          PR 0.000000000 0.200000000 0.149999994 0.199999998
##          NC 0.100000000 0.200000000 0.199999992 0.099999999
##          PD 0.900000000 0.200000000 0.150000034 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000000 0.500000000 0.500000000 0.649999974
##          PR 0.250000000 0.250000000 0.150000000 0.199999992

```



```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.250000000 0.350000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.500000000 0.649999974
##          PR 0.000000000 0.200000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.350000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.400000000 0.549999955
##          PR 0.000000000 0.200000000 0.150000000 0.200000002
##          NC 0.100000000 0.200000000 0.200000000 0.100000001
##          PD 0.900000000 0.200000000 0.250000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000000 0.500000000 0.500000000 0.649999974
##          PR 0.250000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.250000000 0.350000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.500000000 0.649999974
##          PR 0.000000000 0.200000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.350000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999978
##          PR 0.000000000 0.150000000 0.150000000 0.199999990
##          NC 0.100000000 0.200000000 0.200000000 0.149999993
##          PD 0.900000000 0.650000000 0.250000000 0.200000040
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000018
##          PR 0.000000000 0.150000000 0.150000006 0.200000010
##          NC 0.100000000 0.200000000 0.200000008 0.150000008
##          PD 0.900000000 0.650000000 0.349999974 0.299999965
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999978
##          PR 0.000000000 0.150000000 0.150000000 0.199999990
##          NC 0.100000000 0.200000000 0.200000000 0.149999993
##          PD 0.900000000 0.650000000 0.250000000 0.200000040
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000018
##          PR 0.000000000 0.150000000 0.150000006 0.200000010
##          NC 0.100000000 0.200000000 0.200000008 0.150000008
##          PD 0.900000000 0.650000000 0.349999974 0.299999965
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999953 0.800000040 0.949999953
##          PR 0.000000000 0.019999999 0.100000005 0.029999999
##          NC 0.100000000 0.019999999 0.050000003 0.010000000
##          PD 0.900000000 0.010000049 0.049999952 0.010000049
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.800000024 0.949999962
##          PR 0.050000000 0.050000000 0.100000003 0.029999999

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.099999973 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999972 0.800000024 0.949999962
##          PR 0.000000000 0.019999999 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.030000029 0.099999973 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999953 0.700000014 0.849999941
##          PR 0.000000000 0.019999999 0.100000002 0.029999998
##          NC 0.100000000 0.019999999 0.050000001 0.009999999
##          PD 0.900000000 0.010000049 0.149999983 0.110000062
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.800000024 0.949999962
##          PR 0.050000000 0.050000000 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.099999973 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999972 0.800000024 0.949999962
##          PR 0.000000000 0.019999999 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.030000029 0.099999973 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000040 0.700000021 0.850000017
##          PR 0.000000000 0.100000005 0.100000003 0.100000002
##          NC 0.100000000 0.050000003 0.100000003 0.030000001
##          PD 0.900000000 0.049999952 0.099999973 0.019999980
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.899999991 0.700000000 0.900000000
##          PR 0.199999996 0.050000000 0.100000000 0.100000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000024 0.700000000 0.900000000
##          PR 0.000000000 0.100000003 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000040 0.599999984 0.750000000
##          PR 0.000000000 0.100000005 0.100000004 0.100000000
##          NC 0.100000000 0.050000003 0.100000004 0.030000000
##          PD 0.900000000 0.049999952 0.200000008 0.120000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.899999991 0.700000000 0.900000000
##          PR 0.199999996 0.050000000 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000024 0.700000000 0.900000000
##          PR 0.000000000 0.100000003 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.499999990 0.599999988 0.649999994
##          PR 0.000000000 0.249999995 0.149999997 0.199999998
##          NC 0.100000000 0.149999997 0.149999997 0.099999999
##          PD 0.900000000 0.100000018 0.100000018 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.500000000 0.550000011 0.600000000 0.649999974
##          PR 0.250000000 0.300000006 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.250000000 0.149999983 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.600000000 0.649999974
##          PR 0.000000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.250000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.499999990 0.499999975 0.549999955
##          PR 0.000000000 0.249999995 0.149999993 0.200000002
##          NC 0.100000000 0.149999997 0.149999993 0.100000001
##          PD 0.900000000 0.100000018 0.200000040 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.500000000 0.550000011 0.600000000 0.649999974
##          PR 0.250000000 0.300000006 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.250000000 0.149999983 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.600000000 0.649999974
##          PR 0.000000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.250000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.449999978 0.500000010
##          PR 0.000000000 0.200000000 0.199999990 0.250000005
##          NC 0.100000000 0.200000000 0.149999993 0.100000002
##          PD 0.900000000 0.600000000 0.200000040 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.350000018 0.400000000
##          PR 0.000000000 0.200000000 0.200000010 0.250000000
##          NC 0.100000000 0.200000000 0.150000008 0.100000000
##          PD 0.900000000 0.600000000 0.299999965 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.449999978 0.500000010
##          PR 0.000000000 0.200000000 0.199999990 0.250000005
##          NC 0.100000000 0.200000000 0.149999993 0.100000002
##          PD 0.900000000 0.600000000 0.200000040 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.350000018 0.400000000
##          PR 0.000000000 0.200000000 0.200000010 0.250000000
##          NC 0.100000000 0.200000000 0.150000008 0.100000000
##          PD 0.900000000 0.600000000 0.299999965 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000054 0.750000015 0.800000040
##          PR 0.000000000 0.100000009 0.100000002 0.100000005
##          NC 0.000000000 0.100000009 0.070000001 0.050000003
##          PD 1.000000000 0.199999928 0.079999982 0.049999952
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.600000000 0.699999986 0.750000015 0.800000024
##          PR 0.200000000 0.199999996 0.100000002 0.100000003

```



```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000000 0.100000018 0.149999983 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000030 0.750000015 0.800000024
##          PR 0.000000000 0.100000005 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.299999965 0.149999983 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000054 0.650000000 0.700000014
##          PR 0.000000000 0.100000009 0.100000000 0.100000002
##          NC 0.000000000 0.100000009 0.070000000 0.050000001
##          PD 1.000000000 0.199999928 0.180000000 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.600000000 0.699999986 0.750000015 0.800000024
##          PR 0.200000000 0.199999996 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000000 0.100000018 0.149999983 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000030 0.750000015 0.800000024
##          PR 0.000000000 0.100000005 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.299999965 0.149999983 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.499999975 0.700000021 0.750000023
##          PR 0.000000000 0.149999993 0.100000003 0.100000003
##          NC 0.000000000 0.149999993 0.100000003 0.050000002
##          PD 1.000000000 0.200000040 0.099999973 0.099999973
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.550000028 0.649999968 0.700000000 0.750000015
##          PR 0.150000008 0.149999993 0.100000000 0.100000002

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.200000040 0.200000000 0.149999983
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.700000000 0.750000015
##          PR 0.000000000 0.150000000 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.350000000 0.200000000 0.149999983
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.499999975 0.599999984 0.650000000
##          PR 0.000000000 0.149999993 0.100000004 0.100000000
##          NC 0.000000000 0.149999993 0.100000004 0.050000000
##          PD 1.000000000 0.200000040 0.200000008 0.200000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.550000028 0.649999968 0.700000000 0.750000015
##          PR 0.150000008 0.149999993 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.200000040 0.200000000 0.149999983
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.700000000 0.750000015
##          PR 0.000000000 0.150000000 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.350000000 0.200000000 0.149999983
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.300000000 0.500000000 0.550000011
##          PR 0.000000000 0.200000000 0.100000000 0.150000003
##          NC 0.000000000 0.100000000 0.200000000 0.150000003
##          PD 1.000000000 0.400000000 0.200000000 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.350000000 0.400000000 0.500000000 0.550000028
##          PR 0.300000000 0.250000000 0.100000000 0.150000008

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.350000000 0.400000000 0.299999965
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.350000000 0.500000000 0.550000028
##          PR 0.000000000 0.200000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.450000000 0.400000000 0.299999965
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.300000000 0.400000000 0.450000000
##          PR 0.000000000 0.200000000 0.100000000 0.150000000
##          NC 0.000000000 0.100000000 0.200000000 0.150000000
##          PD 1.000000000 0.400000000 0.300000000 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.350000000 0.400000000 0.500000000 0.550000028
##          PR 0.300000000 0.250000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.350000000 0.400000000 0.299999965
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.350000000 0.500000000 0.550000028
##          PR 0.000000000 0.200000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.450000000 0.400000000 0.299999965
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999982
##          PR 0.000000000 0.150000000 0.150000000 0.199999992
##          NC 0.000000000 0.150000000 0.200000000 0.199999992
##          PD 1.000000000 0.700000000 0.250000000 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000000
##          PR 0.000000000 0.150000000 0.150000006 0.200000000
##          NC 0.000000000 0.150000000 0.200000008 0.200000000
##          PD 1.000000000 0.700000000 0.349999974 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999982
##          PR 0.000000000 0.150000000 0.150000000 0.199999992
##          NC 0.000000000 0.150000000 0.200000000 0.199999992
##          PD 1.000000000 0.700000000 0.250000000 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000000
##          PR 0.000000000 0.150000000 0.150000006 0.200000000
##          NC 0.000000000 0.150000000 0.200000008 0.200000000
##          PD 1.000000000 0.700000000 0.349999974 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000043 0.899999964 0.899999964
##          PR 0.000000000 0.050000003 0.049999998 0.049999998
##          NC 0.000000000 0.050000003 0.029999999 0.029999999
##          PD 1.000000000 0.049999952 0.020000039 0.020000039
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999985 0.899999991 0.899999991 0.899999991
##          PR 0.149999997 0.050000000 0.050000000 0.050000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.050000009 0.050000009
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000026 0.899999991 0.899999991
##          PR 0.000000000 0.050000002 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.050000009 0.050000009
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000043 0.799999942 0.799999942
##          PR 0.000000000 0.050000003 0.050000000 0.050000000
##          NC 0.000000000 0.050000003 0.030000000 0.030000000
##          PD 1.000000000 0.049999952 0.120000059 0.120000059
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999985 0.899999991 0.899999991 0.899999991
##          PR 0.149999997 0.050000000 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.050000009 0.050000009
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000026 0.899999991 0.899999991
##          PR 0.000000000 0.050000002 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.050000009 0.050000009
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000021 0.800000040 0.850000043
##          PR 0.000000000 0.100000003 0.100000005 0.050000003
##          NC 0.000000000 0.100000003 0.050000003 0.050000003
##          PD 1.000000000 0.099999973 0.049999952 0.049999952
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.649999968 0.800000024 0.800000024 0.850000026
##          PR 0.149999993 0.100000003 0.100000003 0.050000002

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000040 0.099999973 0.099999973 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000000 0.800000024 0.850000026
##          PR 0.000000000 0.100000000 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.200000000 0.099999973 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000021 0.700000014 0.750000015
##          PR 0.000000000 0.100000003 0.100000002 0.050000001
##          NC 0.000000000 0.100000003 0.050000001 0.050000001
##          PD 1.000000000 0.099999973 0.149999983 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.649999968 0.800000024 0.800000024 0.850000026
##          PR 0.149999993 0.100000003 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000040 0.099999973 0.099999973 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000000 0.800000024 0.850000026
##          PR 0.000000000 0.100000000 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.200000000 0.099999973 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.700000021 0.749999993
##          PR 0.000000000 0.200000000 0.100000003 0.149999999
##          NC 0.000000000 0.200000000 0.100000003 0.050000000
##          PD 1.000000000 0.200000000 0.099999973 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000020 0.500000000 0.700000000 0.749999985
##          PR 0.300000015 0.250000000 0.100000000 0.149999997

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.250000000 0.200000000 0.100000018
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.700000000 0.749999985
##          PR 0.000000000 0.200000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.200000000 0.100000018
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.599999984 0.649999974
##          PR 0.000000000 0.200000000 0.100000004 0.149999994
##          NC 0.000000000 0.200000000 0.100000004 0.049999998
##          PD 1.000000000 0.200000000 0.200000008 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000020 0.500000000 0.700000000 0.749999985
##          PR 0.300000015 0.250000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.250000000 0.200000000 0.100000018
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.700000000 0.749999985
##          PR 0.000000000 0.200000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.200000000 0.100000018
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000012 0.649999994
##          PR 0.000000000 0.300000000 0.150000003 0.199999998
##          NC 0.000000000 0.200000000 0.100000002 0.099999999
##          PD 1.000000000 0.500000000 0.149999983 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992

```



```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.500000000 0.549999955
##          PR 0.000000000 0.300000000 0.150000000 0.200000002
##          NC 0.000000000 0.200000000 0.100000000 0.100000001
##          PD 1.000000000 0.500000000 0.250000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000012 0.649999994
##          PR 0.000000000 0.300000000 0.150000003 0.199999998
##          NC 0.000000000 0.200000000 0.100000002 0.099999999
##          PD 1.000000000 0.500000000 0.149999983 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.500000000 0.549999955
##          PR 0.000000000 0.300000000 0.150000000 0.200000002
##          NC 0.000000000 0.200000000 0.100000000 0.100000001
##          PD 1.000000000 0.500000000 0.250000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999993 0.949999953 0.800000040 0.949999953
##          PR 0.149999999 0.019999999 0.100000005 0.029999999
##          NC 0.050000000 0.019999999 0.050000003 0.010000000
##          PD 0.050000009 0.010000049 0.049999952 0.010000049
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.900000000 0.949999962
##          PR 0.050000000 0.050000000 0.100000000 0.029999999

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.000000000 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.899999964 0.900000000 0.949999962
##          PR 0.000000000 0.019999999 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.080000037 0.000000000 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999993 0.949999953 0.700000014 0.849999941
##          PR 0.149999999 0.019999999 0.100000002 0.029999998
##          NC 0.050000000 0.019999999 0.050000001 0.009999999
##          PD 0.050000009 0.010000049 0.149999983 0.110000062
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.900000000 0.949999962
##          PR 0.050000000 0.050000000 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.000000000 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.899999964 0.900000000 0.949999962
##          PR 0.000000000 0.019999999 0.100000000 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.080000037 0.000000000 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.800000040 0.700000035 0.850000017
##          PR 0.150000000 0.100000005 0.150000008 0.100000002
##          NC 0.100000000 0.050000003 0.100000005 0.030000001
##          PD 0.650000000 0.049999952 0.049999952 0.019999980
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.850000026 0.700000000 0.900000000
##          PR 0.199999996 0.050000002 0.100000000 0.100000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000015 0.700000000 0.900000000
##          PR 0.000000000 0.100000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.149999983 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.800000040 0.599999996 0.750000000
##          PR 0.150000000 0.100000005 0.150000009 0.100000000
##          NC 0.100000000 0.050000003 0.100000006 0.030000000
##          PD 0.650000000 0.049999952 0.149999989 0.120000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.850000026 0.700000000 0.900000000
##          PR 0.199999996 0.050000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.750000015 0.700000000 0.900000000
##          PR 0.000000000 0.100000002 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.149999983 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.010000000 0.449999982 0.600000018 0.649999994
##          PR 0.100000000 0.199999992 0.200000006 0.199999998
##          NC 0.100000000 0.199999992 0.100000003 0.099999999
##          PD 0.790000000 0.150000034 0.099999973 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000000 0.500000000 0.500000000 0.649999974
##          PR 0.250000000 0.250000000 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.250000000 0.350000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.500000000 0.649999974
##          PR 0.000000000 0.200000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.350000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.010000000 0.449999982 0.500000000 0.549999955
##          PR 0.100000000 0.199999992 0.200000000 0.200000002
##          NC 0.100000000 0.199999992 0.100000000 0.100000001
##          PD 0.790000000 0.150000034 0.200000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000000 0.500000000 0.500000000 0.649999974
##          PR 0.250000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.250000000 0.350000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.500000000 0.649999974
##          PR 0.000000000 0.200000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.350000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999978
##          PR 0.100000000 0.350000000 0.200000000 0.199999990
##          NC 0.100000000 0.400000000 0.200000000 0.149999993
##          PD 0.800000000 0.250000000 0.200000000 0.200000040
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000000 0.350000018
##          PR 0.100000000 0.350000000 0.200000000 0.200000010
##          NC 0.100000000 0.400000000 0.200000000 0.150000008
##          PD 0.800000000 0.250000000 0.300000000 0.299999965
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.550000011 0.449999978
##          PR 0.100000000 0.350000000 0.150000003 0.199999990
##          NC 0.100000000 0.400000000 0.150000003 0.149999993
##          PD 0.800000000 0.250000000 0.149999983 0.200000040
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.350000018
##          PR 0.100000000 0.350000000 0.150000000 0.200000010
##          NC 0.100000000 0.400000000 0.150000000 0.150000008
##          PD 0.800000000 0.250000000 0.250000000 0.299999965
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.250000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.750000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.800000040 0.990000000 0.899999964 0.949999953
##          PR 0.100000005 0.010000000 0.049999998 0.029999999
##          NC 0.050000003 0.000000000 0.029999999 0.010000000
##          PD 0.049999952 0.000000000 0.020000039 0.010000049
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.800000024 0.949999962
##          PR 0.050000000 0.050000000 0.100000003 0.029999999

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.099999973 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999972 0.800000024 0.949999962
##          PR 0.000000000 0.019999999 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.030000029 0.099999973 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.800000040 0.990000000 0.799999942 0.849999941
##          PR 0.100000005 0.010000000 0.050000000 0.029999998
##          NC 0.050000003 0.000000000 0.030000000 0.009999999
##          PD 0.049999952 0.000000000 0.120000059 0.110000062
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.899999991 0.950000000 0.800000024 0.949999962
##          PR 0.050000000 0.050000000 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.050000009 0.000000000 0.099999973 0.020000039
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.949999972 0.800000024 0.949999962
##          PR 0.000000000 0.019999999 0.100000003 0.029999999
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.030000029 0.099999973 0.020000039
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.200000000 0.899999964 0.800000040 0.850000017
##          PR 0.150000000 0.049999998 0.100000005 0.100000002
##          NC 0.150000000 0.029999999 0.050000003 0.030000001
##          PD 0.500000000 0.020000039 0.049999952 0.019999980
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.899999991 0.700000000 0.900000000
##          PR 0.199999996 0.050000000 0.100000000 0.100000000

```



```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000024 0.700000000 0.900000000
##          PR 0.000000000 0.100000003 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.200000000 0.899999964 0.700000014 0.750000000
##          PR 0.150000000 0.049999998 0.100000002 0.100000000
##          NC 0.150000000 0.029999999 0.050000001 0.030000000
##          PD 0.500000000 0.020000039 0.149999983 0.120000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.699999986 0.899999991 0.700000000 0.900000000
##          PR 0.199999996 0.050000000 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.200000000 0.000000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.800000024 0.700000000 0.900000000
##          PR 0.000000000 0.100000003 0.100000000 0.100000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.200000000 0.000000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.020000000 0.550000011 0.700000021 0.649999994
##          PR 0.100000000 0.150000003 0.100000003 0.199999998
##          NC 0.150000000 0.150000003 0.100000003 0.099999999
##          PD 0.730000000 0.149999983 0.099999973 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = NONE
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.500000000 0.550000011 0.600000000 0.649999974
##          PR 0.250000000 0.300000006 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.250000000 0.149999983 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.600000000 0.649999974
##          PR 0.000000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.250000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.020000000 0.550000011 0.599999984 0.549999955
##          PR 0.100000000 0.150000003 0.100000004 0.200000002
##          NC 0.150000000 0.150000003 0.100000004 0.100000001
##          PD 0.730000000 0.149999983 0.200000008 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.500000000 0.550000011 0.600000000 0.649999974
##          PR 0.250000000 0.300000006 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.250000000 0.149999983 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.600000000 0.649999974
##          PR 0.000000000 0.250000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.250000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.500000010
##          PR 0.100000000 0.499999990 0.200000000 0.250000005
##          NC 0.100000000 0.399999992 0.200000000 0.100000002
##          PD 0.800000000 0.100000018 0.200000000 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000000 0.400000000
##          PR 0.100000000 0.499999990 0.200000000 0.250000000
##          NC 0.100000000 0.399999992 0.200000000 0.100000000
##          PD 0.800000000 0.100000018 0.300000000 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.550000011 0.500000010
##          PR 0.100000000 0.499999990 0.150000003 0.250000005
##          NC 0.100000000 0.399999992 0.150000003 0.100000002
##          PD 0.800000000 0.100000018 0.149999983 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.400000000
##          PR 0.100000000 0.499999990 0.150000000 0.250000000
##          NC 0.100000000 0.399999992 0.150000000 0.100000000
##          PD 0.800000000 0.100000018 0.250000000 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.300000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.700000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.450000000 0.500000000
##          PR 0.000000000 0.400000000 0.200000000 0.250000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.600000000 0.350000000 0.250000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.600000054 0.750000015 0.800000040
##          PR 0.100000000 0.100000009 0.100000002 0.100000005
##          NC 0.050000000 0.100000009 0.070000001 0.050000003
##          PD 0.750000000 0.199999928 0.079999982 0.049999952
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.600000000 0.699999986 0.750000015 0.800000024
##          PR 0.200000000 0.199999996 0.100000002 0.100000003

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000000 0.100000018 0.149999983 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000030 0.750000015 0.800000024
##          PR 0.000000000 0.100000005 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.299999965 0.149999983 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.600000054 0.650000000 0.700000014
##          PR 0.100000000 0.100000009 0.100000000 0.100000002
##          NC 0.050000000 0.100000009 0.070000000 0.050000001
##          PD 0.750000000 0.199999928 0.180000000 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.600000000 0.699999986 0.750000015 0.800000024
##          PR 0.200000000 0.199999996 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000000 0.100000018 0.149999983 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.600000030 0.750000015 0.800000024
##          PR 0.000000000 0.100000005 0.100000002 0.100000003
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.299999965 0.149999983 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.050000000 0.499999975 0.700000021 0.750000023
##          PR 0.050000000 0.149999993 0.100000003 0.100000003
##          NC 0.050000000 0.149999993 0.100000003 0.050000002
##          PD 0.850000000 0.200000040 0.099999973 0.099999973
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.550000028 0.649999968 0.700000000 0.750000015
##          PR 0.150000008 0.149999993 0.100000000 0.100000002

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.200000040 0.200000000 0.149999983
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.700000000 0.750000015
##          PR 0.000000000 0.150000000 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.350000000 0.200000000 0.149999983
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.050000000 0.499999975 0.599999984 0.650000000
##          PR 0.050000000 0.149999993 0.100000004 0.100000000
##          NC 0.050000000 0.149999993 0.100000004 0.050000000
##          PD 0.850000000 0.200000040 0.200000008 0.200000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.550000028 0.649999968 0.700000000 0.750000015
##          PR 0.150000008 0.149999993 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.200000040 0.200000000 0.149999983
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.500000000 0.700000000 0.750000015
##          PR 0.000000000 0.150000000 0.100000000 0.100000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.350000000 0.200000000 0.149999983
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.010000000 0.300000000 0.500000000 0.550000011
##          PR 0.010000000 0.200000000 0.100000000 0.150000003
##          NC 0.050000000 0.100000000 0.200000000 0.150000003
##          PD 0.930000000 0.400000000 0.200000000 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.350000000 0.400000000 0.500000000 0.550000028
##          PR 0.300000000 0.250000000 0.100000000 0.150000008

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.350000000 0.400000000 0.299999965
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.350000000 0.500000000 0.550000028
##          PR 0.000000000 0.200000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.450000000 0.400000000 0.299999965
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.010000000 0.300000000 0.400000000 0.450000000
##          PR 0.010000000 0.200000000 0.100000000 0.150000000
##          NC 0.050000000 0.100000000 0.200000000 0.150000000
##          PD 0.930000000 0.400000000 0.300000000 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.350000000 0.400000000 0.500000000 0.550000028
##          PR 0.300000000 0.250000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.350000000 0.350000000 0.400000000 0.299999965
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.350000000 0.500000000 0.550000028
##          PR 0.000000000 0.200000000 0.100000000 0.150000008
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.450000000 0.400000000 0.299999965
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999982
##          PR 0.020000000 0.150000000 0.150000000 0.199999992
##          NC 0.040000000 0.150000000 0.200000000 0.199999992
##          PD 0.940000000 0.700000000 0.250000000 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000000
##          PR 0.020000000 0.150000000 0.150000006 0.200000000
##          NC 0.040000000 0.150000000 0.200000008 0.200000000
##          PD 0.940000000 0.700000000 0.349999974 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.449999982
##          PR 0.020000000 0.150000000 0.150000000 0.199999992
##          NC 0.040000000 0.150000000 0.200000000 0.199999992
##          PD 0.940000000 0.700000000 0.250000000 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000

```



```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.300000012 0.350000000
##          PR 0.020000000 0.150000000 0.150000006 0.200000000
##          NC 0.040000000 0.150000000 0.200000008 0.200000000
##          PD 0.940000000 0.700000000 0.349999974 0.250000000
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.200000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.800000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_STAGE = IV
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.400000000 0.450000000
##          PR 0.000000000 0.300000000 0.150000000 0.200000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.700000000 0.450000000 0.350000000
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.150000000 0.850000043 0.899999964 0.899999964
##          PR 0.100000000 0.050000003 0.049999998 0.049999998
##          NC 0.050000000 0.050000003 0.029999999 0.029999999
##          PD 0.700000000 0.049999952 0.020000039 0.020000039
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999985 0.899999991 0.899999991 0.899999991
##          PR 0.149999997 0.050000000 0.050000000 0.050000000

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.050000009 0.050000009
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000026 0.899999991 0.899999991
##          PR 0.000000000 0.050000002 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.050000009 0.050000009
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.150000000 0.850000043 0.799999942 0.799999942
##          PR 0.100000000 0.050000003 0.050000000 0.050000000
##          NC 0.050000000 0.050000003 0.030000000 0.030000000
##          PD 0.700000000 0.049999952 0.120000059 0.120000059
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.749999985 0.899999991 0.899999991 0.899999991
##          PR 0.149999997 0.050000000 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.100000018 0.050000009 0.050000009 0.050000009
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.850000026 0.899999991 0.899999991
##          PR 0.000000000 0.050000002 0.050000000 0.050000000
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.099999973 0.050000009 0.050000009
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.700000021 0.800000040 0.850000043
##          PR 0.050000000 0.100000003 0.100000005 0.050000003
##          NC 0.050000000 0.100000003 0.050000003 0.050000003
##          PD 0.800000000 0.099999973 0.049999952 0.049999952
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = II1
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.649999968 0.800000024 0.800000024 0.850000026
##          PR 0.149999993 0.100000003 0.100000003 0.050000002

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000040 0.099999973 0.099999973 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000000 0.800000024 0.850000026
##          PR 0.000000000 0.100000000 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.200000000 0.099999973 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.100000000 0.700000021 0.700000014 0.750000015
##          PR 0.050000000 0.100000003 0.100000002 0.050000001
##          NC 0.050000000 0.100000003 0.050000001 0.050000001
##          PD 0.800000000 0.099999973 0.149999983 0.149999983
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.649999968 0.800000024 0.800000024 0.850000026
##          PR 0.149999993 0.100000003 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.200000040 0.099999973 0.099999973 0.099999973
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.700000000 0.800000024 0.850000026
##          PR 0.000000000 0.100000000 0.100000003 0.050000002
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.200000000 0.099999973 0.099999973
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.030000000 0.400000000 0.700000021 0.749999993
##          PR 0.050000000 0.200000000 0.100000003 0.149999999
##          NC 0.050000000 0.200000000 0.100000003 0.050000000
##          PD 0.870000000 0.200000000 0.099999973 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000020 0.500000000 0.700000000 0.749999985
##          PR 0.300000015 0.250000000 0.100000000 0.149999997

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.250000000 0.200000000 0.100000018
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.700000000 0.749999985
##          PR 0.000000000 0.200000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.200000000 0.100000018
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.030000000 0.400000000 0.599999984 0.649999974
##          PR 0.050000000 0.200000000 0.100000004 0.149999994
##          NC 0.050000000 0.200000000 0.100000004 0.049999998
##          PD 0.870000000 0.200000000 0.200000008 0.150000034
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.400000020 0.500000000 0.700000000 0.749999985
##          PR 0.300000015 0.250000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.299999965 0.250000000 0.200000000 0.100000018
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.400000000 0.700000000 0.749999985
##          PR 0.000000000 0.200000000 0.100000000 0.149999997
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.200000000 0.100000018
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000012 0.649999994
##          PR 0.020000000 0.300000000 0.150000003 0.199999998
##          NC 0.040000000 0.200000000 0.100000002 0.099999999
##          PD 0.940000000 0.500000000 0.149999983 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.500000000 0.549999955
##          PR 0.020000000 0.300000000 0.150000000 0.200000002
##          NC 0.040000000 0.200000000 0.100000000 0.100000001
##          PD 0.940000000 0.500000000 0.250000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000012 0.649999994
##          PR 0.020000000 0.300000000 0.150000003 0.199999998
##          NC 0.040000000 0.200000000 0.100000002 0.099999999
##          PD 0.940000000 0.500000000 0.149999983 0.050000009
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_STAGE = I
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992

```

```

##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = NO, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## , , SURGERY = NONE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.500000000 0.549999955
##          PR 0.020000000 0.300000000 0.150000000 0.200000002
##          NC 0.040000000 0.200000000 0.100000000 0.100000001
##          PD 0.940000000 0.500000000 0.250000000 0.150000042
##
## , , SURGERY = CURATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.400000000 0.500000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 0.600000000 0.500000000 0.250000000 0.150000034
##
## , , SURGERY = PALLIATIVE, THERAPY_ADJUSTMENT = YES, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOG
##
##          CT_RT_SCHEDULE
## EARLY_RESULT      NONE          RT          CT  CT_NEXT_RT
##          CR 0.000000000 0.000000000 0.600000000 0.649999974
##          PR 0.000000000 0.600000000 0.150000000 0.199999992
##          NC 0.000000000 0.000000000 0.000000000 0.000000000
##          PD 1.000000000 0.400000000 0.250000000 0.150000034
##
## Parameters of node SURGERY (multinomial distribution)
##
## Conditional probability table:
##      NONE    CURATIVE PALLIATIVE
##      0.70     0.25     0.05
##
## Parameters of node THERAPY_ADJUSTMENT (multinomial distribution)
##
## Conditional probability table:
##
## , , PERFORATION = NO, HEMORRHAGE = NO
##
##          BM_DEPRESSION
## THERAPY_ADJUSTMENT  NO YES

```

```

##          NO  1.0 0.0
##          YES 0.0 1.0
##
## , , PERFORATION = YES, HEMORRHAGE = NO
##
##          BM_DEPRESSION
## THERAPY_ADJUSTMENT NO YES
##          NO  0.0 0.0
##          YES 1.0 1.0
##
## , , PERFORATION = NO, HEMORRHAGE = YES
##
##          BM_DEPRESSION
## THERAPY_ADJUSTMENT NO YES
##          NO  0.5 0.0
##          YES 0.5 1.0
##
## , , PERFORATION = YES, HEMORRHAGE = YES
##
##          BM_DEPRESSION
## THERAPY_ADJUSTMENT NO YES
##          NO  0.0 0.0
##          YES 1.0 1.0
##
## Parameters of node CT_RT_SCHEDULE (multinomial distribution)
##
## Conditional probability table:
##      NONE      RT      CT CT_NEXT_RT
##      0.15      0.35      0.25      0.25
##
## Parameters of node POST_CT_RT_SURVIVAL (multinomial distribution)
##
## Conditional probability table:
##
## , , HEMORRHAGE = NO
##
##          PERFORATION
## POST_CT_RT_SURVIVAL NO YES
##          NO  0.00 0.20
##          YES 1.00 0.80
##
## , , HEMORRHAGE = YES
##
##          PERFORATION
## POST_CT_RT_SURVIVAL NO YES
##          NO  0.10 0.25
##          YES 0.90 0.75
##
## Parameters of node HISTOLOGICAL_CLASSIFICATION (multinomial distribution)
##
## Conditional probability table:
##

```

```

##                                AGE
## HISTOLOGICAL_CLASSIFICATION v10_19 v20_29 v30_39 v40_44 v45_49 v50_54
##                                LOW_GRADE    0.4    0.4    0.6    0.7    0.6    0.6
##                                HIGH_GRADE   0.6    0.6    0.4    0.3    0.4    0.4
##                                AGE
## HISTOLOGICAL_CLASSIFICATION v55_59 v60_64 v65_69 v70_79 v80_89 vGE90
##                                LOW_GRADE    0.6    0.4    0.4    0.3    0.3    0.3
##                                HIGH_GRADE   0.4    0.6    0.6    0.7    0.7    0.7
##
## Parameters of node ERADICATION (multinomial distribution)
##
## Conditional probability table:
##
## , , HELICOBACTER_PYLORI = ABSENT
##
##           HELICOBACTER_TREATMENT
## ERADICATION NO YES
##           NO    0    0
##           YES   1    1
##
## , , HELICOBACTER_PYLORI = PRESENT
##
##           HELICOBACTER_TREATMENT
## ERADICATION NO YES
##           NO    1    0
##           YES   0    1
##
## Parameters of node HEMORRHAGE (multinomial distribution)
##
## Conditional probability table:
##
##           CT_RT_SCHEDULE
## HEMORRHAGE    NONE          RT          CT CT_NEXT_RT
##           NO  0.97999999 0.95000000 0.93000003 0.87999996
##           YES 0.02000001 0.05000000 0.06999997 0.12000004
##
## Parameters of node BULKY_DISEASE (multinomial distribution)
##
## Conditional probability table:
##
## , , HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, CLINICAL_STAGE = I
##
##           AGE
## BULKY_DISEASE  v10_19    v20_29    v30_39    v40_44    v45_49
##           YES  0.40000000 0.29999999 0.20000000 0.10000000 0.10000000
##           NO   0.60000000 0.70000001 0.80000000 0.90000000 0.90000000
##           AGE
## BULKY_DISEASE  v50_54    v55_59    v60_64    v65_69    v70_79
##           YES  0.10000000 0.10000000 0.20000000 0.24999999 0.29999999
##           NO   0.90000000 0.90000000 0.80000000 0.75000001 0.70000001
##           AGE
## BULKY_DISEASE  v80_89    vGE90
##           YES  0.29999999 0.29999999

```



```

##          NO  0.70000001 0.70000001
##
## , , HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, CLINICAL_STAGE = I
##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.70000000 0.50000000 0.34999999 0.25000000 0.20000000
##          NO  0.30000000 0.50000000 0.65000001 0.75000000 0.80000000
##          AGE
## BULKY_DISEASE    v50_54    v55_59    v60_64    v65_69    v70_79
##          YES 0.20000000 0.20000000 0.25000000 0.25000000 0.25000000
##          NO  0.80000000 0.80000000 0.75000000 0.75000000 0.75000000
##          AGE
## BULKY_DISEASE    v80_89    vGE90
##          YES 0.30000000 0.30000000
##          NO  0.70000000 0.70000000
##
## , , HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, CLINICAL_STAGE = II1
##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.29999999 0.29999999 0.24999999 0.20000000 0.20000000
##          NO  0.70000001 0.70000001 0.75000001 0.80000000 0.80000000
##          AGE
## BULKY_DISEASE    v50_54    v55_59    v60_64    v65_69    v70_79
##          YES 0.20000000 0.20000000 0.24999999 0.29999999 0.34999999
##          NO  0.80000000 0.80000000 0.75000001 0.70000001 0.65000001
##          AGE
## BULKY_DISEASE    v80_89    vGE90
##          YES 0.34999999 0.34999999
##          NO  0.65000001 0.65000001
##
## , , HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, CLINICAL_STAGE = II1
##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.69999997 0.55000000 0.34999999 0.29999999 0.24999999
##          NO  0.30000003 0.45000000 0.65000001 0.70000001 0.75000001
##          AGE
## BULKY_DISEASE    v50_54    v55_59    v60_64    v65_69    v70_79
##          YES 0.24999999 0.24999999 0.29999999 0.34999999 0.34999999
##          NO  0.75000001 0.75000001 0.70000001 0.65000001 0.65000001
##          AGE
## BULKY_DISEASE    v80_89    vGE90
##          YES 0.40000000 0.40000000
##          NO  0.60000000 0.60000000
##
## , , HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, CLINICAL_STAGE = II2
##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.34999999 0.34999999 0.50000000 0.50000000 0.50000000
##          NO  0.65000001 0.65000001 0.50000000 0.50000000 0.50000000
##          AGE

```

```

## BULKY_DISEASE      v50_54      v55_59      v60_64      v65_69      v70_79
##           YES 0.50000000 0.55000000 0.55000000 0.60000000 0.64999997
##           NO  0.50000000 0.45000000 0.45000000 0.40000000 0.35000003
##           AGE
## BULKY_DISEASE      v80_89      vGE90
##           YES 0.69999997 0.69999997
##           NO  0.30000003 0.30000003
##
## , , HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, CLINICAL_STAGE = II2
##
##           AGE
## BULKY_DISEASE      v10_19      v20_29      v30_39      v40_44      v45_49
##           YES 0.74999998 0.75000000 0.60000000 0.55000000 0.55000000
##           NO  0.25000002 0.25000000 0.40000000 0.45000000 0.45000000
##           AGE
## BULKY_DISEASE      v50_54      v55_59      v60_64      v65_69      v70_79
##           YES 0.50000000 0.50000000 0.55000000 0.55000000 0.64999997
##           NO  0.50000000 0.50000000 0.45000000 0.45000000 0.35000003
##           AGE
## BULKY_DISEASE      v80_89      vGE90
##           YES 0.69999997 0.69999997
##           NO  0.30000003 0.30000003
##
## , , HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, CLINICAL_STAGE = III
##
##           AGE
## BULKY_DISEASE      v10_19      v20_29      v30_39      v40_44      v45_49
##           YES 0.25000000 0.15000000 0.05000001 0.05000001 0.05000001
##           NO  0.75000000 0.85000000 0.94999999 0.94999999 0.94999999
##           AGE
## BULKY_DISEASE      v50_54      v55_59      v60_64      v65_69      v70_79
##           YES 0.05000001 0.05000001 0.10000000 0.20000000 0.30000000
##           NO  0.94999999 0.94999999 0.90000000 0.80000000 0.70000000
##           AGE
## BULKY_DISEASE      v80_89      vGE90
##           YES 0.40000000 0.40000000
##           NO  0.60000000 0.60000000
##
## , , HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, CLINICAL_STAGE = III
##
##           AGE
## BULKY_DISEASE      v10_19      v20_29      v30_39      v40_44      v45_49
##           YES 0.60000000 0.60000000 0.50000000 0.40000000 0.40000000
##           NO  0.40000000 0.40000000 0.50000000 0.60000000 0.60000000
##           AGE
## BULKY_DISEASE      v50_54      v55_59      v60_64      v65_69      v70_79
##           YES 0.40000000 0.40000000 0.50000000 0.60000000 0.69999997
##           NO  0.60000000 0.60000000 0.50000000 0.40000000 0.30000003
##           AGE
## BULKY_DISEASE      v80_89      vGE90
##           YES 0.69999997 0.69999997
##           NO  0.30000003 0.30000003
##
## , , HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, CLINICAL_STAGE = IV

```

```

##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.25000000 0.15000000 0.05000001 0.05000001 0.05000001
##          NO  0.75000000 0.85000000 0.94999999 0.94999999 0.94999999
##          AGE
## BULKY_DISEASE    v50_54    v55_59    v60_64    v65_69    v70_79
##          YES 0.05000001 0.05000001 0.10000000 0.20000000 0.30000000
##          NO  0.94999999 0.94999999 0.90000000 0.80000000 0.70000000
##          AGE
## BULKY_DISEASE    v80_89    vGE90
##          YES 0.40000000 0.40000000
##          NO  0.60000000 0.60000000
##
## , , HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, CLINICAL_STAGE = IV
##
##          AGE
## BULKY_DISEASE    v10_19    v20_29    v30_39    v40_44    v45_49
##          YES 0.60000000 0.60000000 0.50000000 0.40000000 0.40000000
##          NO  0.40000000 0.40000000 0.50000000 0.60000000 0.60000000
##          AGE
## BULKY_DISEASE    v50_54    v55_59    v60_64    v65_69    v70_79
##          YES 0.40000000 0.40000000 0.50000000 0.60000000 0.69999997
##          NO  0.60000000 0.60000000 0.50000000 0.40000000 0.30000003
##          AGE
## BULKY_DISEASE    v80_89    vGE90
##          YES 0.69999997 0.70000000
##          NO  0.30000003 0.30000000
##
##
## Parameters of node PERFORATION (multinomial distribution)
##
## Conditional probability table:
##
##          CT_RT_SCHEDULE
## PERFORATION      NONE      RT      CT CT_NEXT_RT
##          NO 0.99000000 0.97000004 0.95000001 0.91999999
##          YES 0.01000000 0.02999996 0.04999999 0.08000001
##
## Parameters of node IMMEDIATE_SURVIVAL (multinomial distribution)
##
## Conditional probability table:
##
## , , POST_SURGICAL_SURVIVAL = NO
##
##          POST_CT_RT_SURVIVAL
## IMMEDIATE_SURVIVAL NO YES
##          NO 1 1
##          YES 0 0
##
## , , POST_SURGICAL_SURVIVAL = YES
##
##          POST_CT_RT_SURVIVAL
## IMMEDIATE_SURVIVAL NO YES

```

```

##          NO    1    0
##          YES   0    1
##
## Parameters of node GENERAL_HEALTH_STATUS (multinomial distribution)
##
## Conditional probability table:
##
##          AGE
## GENERAL_HEALTH_STATUS    v10_19    v20_29    v30_39    v40_44
##          POOR    0.00200000  0.00500000  0.01000000  0.01000000
##          AVERAGE 0.00800000  0.01000000  0.01000000  0.02000000
##          GOOD    0.99000000  0.98500000  0.98000000  0.97000000
##          AGE
## GENERAL_HEALTH_STATUS    v45_49    v50_54    v55_59    v60_64
##          POOR    0.03000000  0.04000000  0.05000000  0.10000000
##          AVERAGE 0.07000000  0.08000000  0.10000000  0.20000000
##          GOOD    0.90000000  0.88000000  0.85000000  0.70000000
##          AGE
## GENERAL_HEALTH_STATUS    v65_69    v70_79    v80_89    vGE90
##          POOR    0.15000000  0.20000001  0.39999999  0.60000001
##          AVERAGE 0.25000000  0.50000003  0.49999999  0.30000000
##          GOOD    0.60000000  0.29999996  0.10000002  0.09999999
##
## Parameters of node FIVE_YEAR_RESULT (multinomial distribution)
##
## Conditional probability table:
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT    CR    PR    NC    PD
##          ALIVE 0.00000000  0.00000000  0.00000000  0.00000000
##          DEATH 1.00000000  1.00000000  1.00000000  1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT    CR    PR    NC    PD
##          ALIVE 0.00000000  0.00000000  0.00000000  0.00000000
##          DEATH 1.00000000  1.00000000  1.00000000  1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT    CR    PR    NC    PD
##          ALIVE 0.00000000  0.00000000  0.00000000  0.00000000
##          DEATH 1.00000000  1.00000000  1.00000000  1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT    CR    PR    NC    PD
##          ALIVE 0.00000000  0.00000000  0.00000000  0.00000000

```

```

##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000

```

```

##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD

```



```

##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##

```

```

## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000

```

```

##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000

```

```

##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##

```



```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##

```

```

## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000

```

```

##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000

```

```

##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##

```



```

## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000

```

```

##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000

```

```

##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##

```

```

## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000

```



```

##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##      DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.00000000 0.00000000 0.00000000 0.00000000
##          DEATH 1.00000000 1.00000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000

```

```

##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.50000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.50000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.84999997 0.50000000 0.00000000 0.00000000
##          DEATH 0.15000003 0.50000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.84999997 0.50000000 0.00000000 0.00000000
##          DEATH 0.15000003 0.50000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.84999997 0.50000000 0.00000000 0.00000000
##          DEATH 0.15000003 0.50000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.50000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.50000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##

```

```

## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.60000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.55000000 0.15000000 0.00000000 0.00000000

```

```

##          DEATH 0.45000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##          EARLY_RESULT

```



```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.85000000 1.00000000 1.00000000

```

```

##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.15000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.85000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, IM
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##

```

```

## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.94999999 0.75000000 0.00000000 0.00000000
##          DEATH 0.05000001 0.25000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.89999998 0.75000000 0.00000000 0.00000000
##          DEATH 0.10000002 0.25000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000

```

```

##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.75000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.25000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,

```



```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000

```

```

##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, 1
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD

```

```

##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = LOW_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.25000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.75000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##

```

```

## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.75000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.70000000 0.20000000 0.00000000 0.00000000

```

```

##          DEATH 0.30000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.70000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.30000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.70000000 0.20000000 0.00000000 0.00000000
##          DEATH 0.30000000 0.80000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.50000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.50000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.45000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.55000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.45000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.55000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.45000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.55000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##      DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000

```



```

##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```

```

##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.40000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.60000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = YES, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.35000000 0.10000000 0.00000000 0.00000000
##          DEATH 0.65000000 0.90000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.85000002 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##

```

```

## , , AGE = v65_69, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.85000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.14999998 0.60000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = I, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE, I
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000

```

```

##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.80000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.20000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.75000000 0.40000000 0.00000000 0.00000000
##          DEATH 0.25000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II1, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT

```

```

## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.75000000 0.40000000 0.00000000 0.00000000
##      DEATH 0.25000000 0.60000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##      EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##      ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##      DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE

```

```

##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.60000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.40000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = II2, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.55000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.45000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000

```

```

##
## , , AGE = v40_44, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD
##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR          PR          NC          PD

```



```

##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = III, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v10_19, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v20_29, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v30_39, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v40_44, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v45_49, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v50_54, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v55_59, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##

```

```

##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v60_64, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v65_69, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.50000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.50000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v70_79, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = v80_89, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
## , , AGE = vGE90, CLINICAL_STAGE = IV, BULKY_DISEASE = NO, HISTOLOGICAL_CLASSIFICATION = HIGH_GRADE,
##
##          EARLY_RESULT
## FIVE_YEAR_RESULT      CR      PR      NC      PD
##          ALIVE 0.45000000 0.50000000 0.00000000 0.00000000
##          DEATH 0.55000000 0.50000000 1.00000000 1.00000000
##
##
## Parameters of node HELICOBACTER_PYLORI (multinomial distribution)
##
## Conditional probability table:
##  ABSENT PRESENT
##    0.15    0.85
##
## Parameters of node BM_DEPRESSION (multinomial distribution)
##
## Conditional probability table:
##
## , , AGE = v10_19
##
##          CT_RT_SCHEDULE

```

```

## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.95000000 0.89999998 0.89999999
##      YES 0.00000000 0.05000000 0.10000002 0.10000001
##
## , , AGE = v20_29
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.95000001 0.89999998 0.90000000
##      YES 0.00000000 0.04999999 0.10000002 0.10000000
##
## , , AGE = v30_39
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.95000001 0.89999998 0.80000000
##      YES 0.00000000 0.04999999 0.10000002 0.20000000
##
## , , AGE = v40_44
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.90000000 0.80000000 0.70000000
##      YES 0.00000000 0.10000000 0.20000000 0.30000000
##
## , , AGE = v45_49
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.90000000 0.80000000 0.70000001
##      YES 0.00000000 0.10000000 0.20000000 0.29999999
##
## , , AGE = v50_54
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.85000000 0.80000000 0.60000000
##      YES 0.00000000 0.15000000 0.20000000 0.40000000
##
## , , AGE = v55_59
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.80000000 0.70000000 0.50000000
##      YES 0.00000000 0.20000000 0.30000000 0.50000000
##
## , , AGE = v60_64
##
##      CT_RT_SCHEDULE
## BM_DEPRESSION      NONE      RT      CT CT_NEXT_RT
##      NO 1.00000000 0.80000000 0.60000000 0.40000000
##      YES 0.00000000 0.20000000 0.40000000 0.60000000
##
## , , AGE = v65_69

```

```
##
##          CT_RT_SCHEDULE
## BM_DEPRESSION    NONE          RT          CT CT_NEXT_RT
##          NO  1.00000000 0.60000000 0.50000000 0.20000000
##          YES 0.00000000 0.40000000 0.50000000 0.80000000
##
## , , AGE = v70_79
##
##          CT_RT_SCHEDULE
## BM_DEPRESSION    NONE          RT          CT CT_NEXT_RT
##          NO  1.00000000 0.40000000 0.29999999 0.10000000
##          YES 0.00000000 0.60000000 0.70000001 0.90000000
##
## , , AGE = v80_89
##
##          CT_RT_SCHEDULE
## BM_DEPRESSION    NONE          RT          CT CT_NEXT_RT
##          NO  1.00000000 0.35000000 0.10000002 0.05000000
##          YES 0.00000000 0.65000000 0.89999998 0.95000000
##
## , , AGE = vGE90
##
##          CT_RT_SCHEDULE
## BM_DEPRESSION    NONE          RT          CT CT_NEXT_RT
##          NO  1.00000000 0.30000000 0.10000002 0.05000000
##          YES 0.00000000 0.70000000 0.89999998 0.95000000
```

```
test <- bn.net(manual)
plot(test)
```

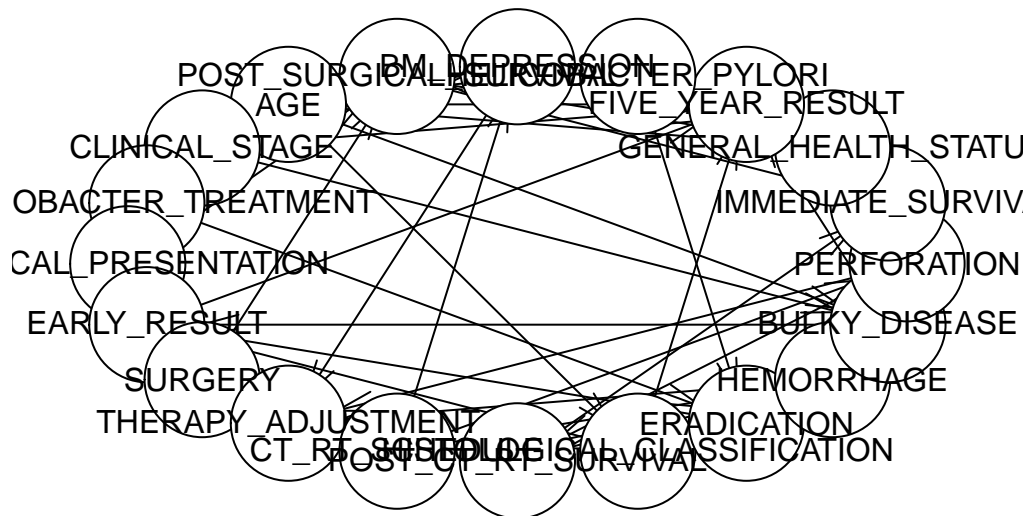
4 develop special purpose BN (NBN or TAN, see .2)

```
netnb = naive.bayes(a,"BC")
plot(netnb)
```

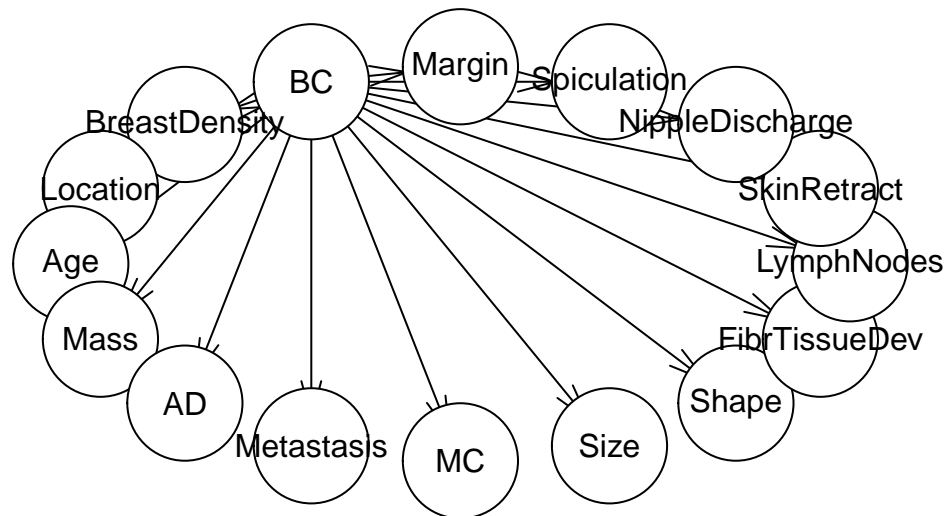
```
netnb2 <- bn.fit(netnb,a)
#netnb2
#score(netnb,a)
#score(netnb2)
#score(a,BC_cbl)
```

4.1 compare BN and SPBN with manually constructed network in terms of network structure, goodness of fit scores (likelihood,...) and accuracy measures such as misclassification error and ROC (B.2)

```
netnb2 <- bn.fit(netnb,a)
netnb2
```



```
##
## Bayesian network parameters
##
## Parameters of node BC (multinomial distribution)
##
## Conditional probability table:
##
## Insitu Invasive No
## 0.14190 0.23615 0.62195
##
## Parameters of node BreastDensity (multinomial distribution)
##
## Conditional probability table:
##
## BC
## BreastDensity Insitu Invasive No
## high 0.3009161 0.3000212 0.3021143
## low 0.1948555 0.1977557 0.2011416
## medium 0.5042283 0.5022232 0.4967441
##
## Parameters of node Location (multinomial distribution)
##
## Conditional probability table:
##
## BC
```



```

## Location      Insitu  Invasive    No
##  LolwOutQuad  0.2170543 0.2297269 0.2669829
##  LowInQuad    0.1976744 0.2576752 0.2602299
##  UpInQuad     0.2663848 0.2610629 0.2451966
##  UpOutQuad    0.3188865 0.2515350 0.2275906
##
## Parameters of node Age (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## Age      Insitu    Invasive    No
## <35    0.013389711 0.008680923 0.160784629
## >75    0.136715997 0.131695956 0.156443444
## 35-49  0.311134602 0.168536947 0.263767184
## 50-74  0.538759690 0.691086174 0.419004743
##
## Parameters of node Mass (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## Mass      Insitu    Invasive    No
## Benign  0.4090909 0.1482109 0.1105394
## Malign  0.3523608 0.6641965 0.0000000

```

```

## No      0.2385483 0.1875926 0.8894606
##
## Parameters of node AD (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## AD      Insitu   Invasive      No
## No  0.70366455 0.54710989 0.94806656
## Yes 0.29633545 0.45289011 0.05193344
##
## Parameters of node Metastasis (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## Metastasis  Insitu   Invasive      No
## no  0.8565891 0.1037476 1.0000000
## yes 0.1434109 0.8962524 0.0000000
##
## Parameters of node MC (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## MC      Insitu   Invasive      No
## No  0.48731501 0.53080669 0.97202347
## Yes 0.51268499 0.46919331 0.02797653
##
## Parameters of node Size (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## Size      Insitu   Invasive      No
## <1cm  0.37702607 0.39254711 0.90248412
## >3cm  0.31606765 0.19839085 0.06961974
## 1-3cm 0.30690627 0.40906204 0.02789613
##
## Parameters of node Shape (multinomial distribution)
##
## Conditional probability table:
##
##      BC
## Shape      Insitu   Invasive      No
## Irregular 0.278012685 0.501376244 0.006511777
## Other     0.263918252 0.194791446 0.895329207
## Oval      0.152924595 0.137836121 0.026047110
## Round     0.305144468 0.165996189 0.072111906
##
## Parameters of node FibrTissueDev (multinomial distribution)
##
## Conditional probability table:
##

```

```

##          BC
## FibrTissueDev    Insitu  Invasive      No
##          No  0.5362932 0.4632649 0.6325267
##          Yes 0.4637068 0.5367351 0.3674733
##
## Parameters of node LymphNodes (multinomial distribution)
##
## Conditional probability table:
##
##          BC
## LymphNodes      Insitu  Invasive      No
##          no  0.80056378 0.23163244 0.90320765
##          yes 0.19943622 0.76836756 0.09679235
##
## Parameters of node SkinRetract (multinomial distribution)
##
## Conditional probability table:
##
##          BC
## SkinRetract     Insitu  Invasive      No
##          No  0.5574348 0.3823841 0.8419487
##          Yes 0.4425652 0.6176159 0.1580513
##
## Parameters of node NippleDischarge (multinomial distribution)
##
## Conditional probability table:
##
##          BC
## NippleDischarge  Insitu  Invasive      No
##          No  0.5821001 0.3900064 0.8455664
##          Yes 0.4178999 0.6099936 0.1544336
##
## Parameters of node Spiculation (multinomial distribution)
##
## Conditional probability table:
##
##          BC
## Spiculation      Insitu  Invasive      No
##          No  0.5775194 0.5386407 0.6277836
##          Yes 0.4224806 0.4613593 0.3722164
##
## Parameters of node Margin (multinomial distribution)
##
## Conditional probability table:
##
##          BC
## Margin           Insitu  Invasive      No
## Ill-defined  0.5680056 0.7183993 0.3763968
## Well-defined 0.4319944 0.2816007 0.6236032

```

```
score(netnb,a)
```

```
## [1] -214925.2
```



```
nbncv <- bn.cv(a,netnb,loss="logl",loss.args = list(target="BC"),debug=T)
```

```
## Warning in check.unused.args(extra.args, valid.args): unused argument(s):  
## target
```

```
## * splitting 20000 data in 10 subsets.
```

```
## -----  
## * fitting the parameters of the network from the training sample.  
## * applying the loss function to the data from the test sample.  
## > log-likelihood loss for node BC is 0.919676.  
## > log-likelihood loss for node BreastDensity is 1.039007.  
## > log-likelihood loss for node Location is 1.381308.  
## > log-likelihood loss for node Age is 1.167999.  
## > log-likelihood loss for node Mass is 0.578246.  
## > log-likelihood loss for node AD is 0.387564.  
## > log-likelihood loss for node Metastasis is 0.124055.  
## > log-likelihood loss for node MC is 0.362297.  
## > log-likelihood loss for node Size is 0.638856.  
## > log-likelihood loss for node Shape is 0.746732.  
## > log-likelihood loss for node FibrTissueDev is 0.660327.  
## > log-likelihood loss for node LymphNodes is 0.392187.  
## > log-likelihood loss for node SkinRetract is 0.519727.  
## > log-likelihood loss for node NippleDischarge is 0.521642.  
## > log-likelihood loss for node Spiculation is 0.667961.  
## > log-likelihood loss for node Margin is 0.654901.  
## @ total loss is 10.76249 .
```

```
## -----  
## * fitting the parameters of the network from the training sample.  
## * applying the loss function to the data from the test sample.  
## > log-likelihood loss for node BC is 0.893516.  
## > log-likelihood loss for node BreastDensity is 1.036432.  
## > log-likelihood loss for node Location is 1.382471.  
## > log-likelihood loss for node Age is 1.155939.  
## > log-likelihood loss for node Mass is 0.564805.  
## > log-likelihood loss for node AD is 0.364705.  
## > log-likelihood loss for node Metastasis is 0.145952.  
## > log-likelihood loss for node MC is 0.316122.  
## > log-likelihood loss for node Size is 0.631846.  
## > log-likelihood loss for node Shape is 0.729379.  
## > log-likelihood loss for node FibrTissueDev is 0.671738.  
## > log-likelihood loss for node LymphNodes is 0.407832.  
## > log-likelihood loss for node SkinRetract is 0.534846.  
## > log-likelihood loss for node NippleDischarge is 0.533331.  
## > log-likelihood loss for node Spiculation is 0.682359.  
## > log-likelihood loss for node Margin is 0.653261.  
## @ total loss is 10.70453 .
```

```
## -----  
## * fitting the parameters of the network from the training sample.  
## * applying the loss function to the data from the test sample.  
## > log-likelihood loss for node BC is 0.915643.  
## > log-likelihood loss for node BreastDensity is 1.022659.  
## > log-likelihood loss for node Location is 1.382281.  
## > log-likelihood loss for node Age is 1.142923.
```

```

## > log-likelihood loss for node Mass is 0.568072.
## > log-likelihood loss for node AD is 0.370244.
## > log-likelihood loss for node Metastasis is 0.148668.
## > log-likelihood loss for node MC is 0.355863.
## > log-likelihood loss for node Size is 0.627118.
## > log-likelihood loss for node Shape is 0.740264.
## > log-likelihood loss for node FibrTissueDev is 0.657433.
## > log-likelihood loss for node LymphNodes is 0.377287.
## > log-likelihood loss for node SkinRetract is 0.505885.
## > log-likelihood loss for node NippleDischarge is 0.495894.
## > log-likelihood loss for node Spiculation is 0.657956.
## > log-likelihood loss for node Margin is 0.646266.
## @ total loss is 10.61446 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.915657.
## > log-likelihood loss for node BreastDensity is 1.026515.
## > log-likelihood loss for node Location is 1.383520.
## > log-likelihood loss for node Age is 1.138271.
## > log-likelihood loss for node Mass is 0.576120.
## > log-likelihood loss for node AD is 0.372653.
## > log-likelihood loss for node Metastasis is 0.127947.
## > log-likelihood loss for node MC is 0.371117.
## > log-likelihood loss for node Size is 0.649744.
## > log-likelihood loss for node Shape is 0.767044.
## > log-likelihood loss for node FibrTissueDev is 0.673687.
## > log-likelihood loss for node LymphNodes is 0.374521.
## > log-likelihood loss for node SkinRetract is 0.547325.
## > log-likelihood loss for node NippleDischarge is 0.510130.
## > log-likelihood loss for node Spiculation is 0.670490.
## > log-likelihood loss for node Margin is 0.649255.
## @ total loss is 10.75399 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.900075.
## > log-likelihood loss for node BreastDensity is 1.016240.
## > log-likelihood loss for node Location is 1.381208.
## > log-likelihood loss for node Age is 1.159611.
## > log-likelihood loss for node Mass is 0.537845.
## > log-likelihood loss for node AD is 0.370768.
## > log-likelihood loss for node Metastasis is 0.137597.
## > log-likelihood loss for node MC is 0.321132.
## > log-likelihood loss for node Size is 0.605181.
## > log-likelihood loss for node Shape is 0.703885.
## > log-likelihood loss for node FibrTissueDev is 0.663016.
## > log-likelihood loss for node LymphNodes is 0.375928.
## > log-likelihood loss for node SkinRetract is 0.502679.
## > log-likelihood loss for node NippleDischarge is 0.517212.
## > log-likelihood loss for node Spiculation is 0.662827.
## > log-likelihood loss for node Margin is 0.641850.
## @ total loss is 10.49705 .
## -----

```

```

## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.925814.
## > log-likelihood loss for node BreastDensity is 1.031562.
## > log-likelihood loss for node Location is 1.387262.
## > log-likelihood loss for node Age is 1.161452.
## > log-likelihood loss for node Mass is 0.599065.
## > log-likelihood loss for node AD is 0.381506.
## > log-likelihood loss for node Metastasis is 0.142968.
## > log-likelihood loss for node MC is 0.358106.
## > log-likelihood loss for node Size is 0.662343.
## > log-likelihood loss for node Shape is 0.772633.
## > log-likelihood loss for node FibrTissueDev is 0.684539.
## > log-likelihood loss for node LymphNodes is 0.401797.
## > log-likelihood loss for node SkinRetract is 0.543047.
## > log-likelihood loss for node NippleDischarge is 0.539979.
## > log-likelihood loss for node Spiculation is 0.681120.
## > log-likelihood loss for node Margin is 0.666037.
## @ total loss is 10.93923 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.902563.
## > log-likelihood loss for node BreastDensity is 1.033173.
## > log-likelihood loss for node Location is 1.384384.
## > log-likelihood loss for node Age is 1.145189.
## > log-likelihood loss for node Mass is 0.571342.
## > log-likelihood loss for node AD is 0.384618.
## > log-likelihood loss for node Metastasis is 0.137036.
## > log-likelihood loss for node MC is 0.317559.
## > log-likelihood loss for node Size is 0.620296.
## > log-likelihood loss for node Shape is 0.731096.
## > log-likelihood loss for node FibrTissueDev is 0.673215.
## > log-likelihood loss for node LymphNodes is 0.422698.
## > log-likelihood loss for node SkinRetract is 0.517889.
## > log-likelihood loss for node NippleDischarge is 0.525297.
## > log-likelihood loss for node Spiculation is 0.670230.
## > log-likelihood loss for node Margin is 0.651243.
## @ total loss is 10.68783 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.906352.
## > log-likelihood loss for node BreastDensity is 1.036702.
## > log-likelihood loss for node Location is 1.384504.
## > log-likelihood loss for node Age is 1.190130.
## > log-likelihood loss for node Mass is 0.571520.
## > log-likelihood loss for node AD is 0.359120.
## > log-likelihood loss for node Metastasis is 0.143469.
## > log-likelihood loss for node MC is 0.318990.
## > log-likelihood loss for node Size is 0.654042.
## > log-likelihood loss for node Shape is 0.746246.
## > log-likelihood loss for node FibrTissueDev is 0.668176.
## > log-likelihood loss for node LymphNodes is 0.394714.

```

```

## > log-likelihood loss for node SkinRetract is 0.538348.
## > log-likelihood loss for node NippleDischarge is 0.527464.
## > log-likelihood loss for node Spiculation is 0.670680.
## > log-likelihood loss for node Margin is 0.641574.
## @ total loss is 10.75203 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.932720.
## > log-likelihood loss for node BreastDensity is 1.039560.
## > log-likelihood loss for node Location is 1.380445.
## > log-likelihood loss for node Age is 1.163840.
## > log-likelihood loss for node Mass is 0.594058.
## > log-likelihood loss for node AD is 0.376309.
## > log-likelihood loss for node Metastasis is 0.143458.
## > log-likelihood loss for node MC is 0.338360.
## > log-likelihood loss for node Size is 0.655879.
## > log-likelihood loss for node Shape is 0.757259.
## > log-likelihood loss for node FibrTissueDev is 0.674574.
## > log-likelihood loss for node LymphNodes is 0.411048.
## > log-likelihood loss for node SkinRetract is 0.520826.
## > log-likelihood loss for node NippleDischarge is 0.529759.
## > log-likelihood loss for node Spiculation is 0.668189.
## > log-likelihood loss for node Margin is 0.648054.
## @ total loss is 10.83434 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BC is 0.922295.
## > log-likelihood loss for node BreastDensity is 1.019785.
## > log-likelihood loss for node Location is 1.382629.
## > log-likelihood loss for node Age is 1.161628.
## > log-likelihood loss for node Mass is 0.579984.
## > log-likelihood loss for node AD is 0.392958.
## > log-likelihood loss for node Metastasis is 0.120606.
## > log-likelihood loss for node MC is 0.352155.
## > log-likelihood loss for node Size is 0.648921.
## > log-likelihood loss for node Shape is 0.744615.
## > log-likelihood loss for node FibrTissueDev is 0.675616.
## > log-likelihood loss for node LymphNodes is 0.408755.
## > log-likelihood loss for node SkinRetract is 0.530315.
## > log-likelihood loss for node NippleDischarge is 0.520983.
## > log-likelihood loss for node Spiculation is 0.671986.
## > log-likelihood loss for node Margin is 0.642909.
## @ total loss is 10.77614 .
## -----
## * summary of the observed values for the loss function:
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  10.50  10.69   10.75   10.73   10.77   10.94

```

```
nbncv
```

```

##
## k-fold cross-validation for Bayesian networks

```

```
##
## target network structure:
## [Naive Bayes Classifier]
## number of subsets: 10
## loss function: Log-Likelihood Loss (disc.)
## expected loss: 10.73221

bncv <- bn.cv(a,BC_cbl,loss="logl",loss.args = list(target="BC"),debug=T)
```

```
## Warning in check.unused.args(extra.args, valid.args): unused argument(s):
## target
```

```
## * splitting 20000 data in 10 subsets.
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.030255.
## > log-likelihood loss for node Location is 1.384996.
## > log-likelihood loss for node Age is 1.189759.
## > log-likelihood loss for node BC is 0.879518.
## > log-likelihood loss for node Mass is 0.574950.
## > log-likelihood loss for node AD is 0.382096.
## > log-likelihood loss for node Metastasis is 0.126285.
## > log-likelihood loss for node MC is 0.335890.
## > log-likelihood loss for node Size is 0.337169.
## > log-likelihood loss for node Shape is 0.315042.
## > log-likelihood loss for node FibrTissueDev is 0.623347.
## > log-likelihood loss for node LymphNodes is 0.347303.
## > log-likelihood loss for node SkinRetract is 0.418002.
## > log-likelihood loss for node NippleDischarge is 0.446684.
## > log-likelihood loss for node Spiculation is 0.486346.
## > log-likelihood loss for node Margin is 0.170600.
## @ total loss is 9.048242 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.033977.
## > log-likelihood loss for node Location is 1.381462.
## > log-likelihood loss for node Age is 1.201238.
## > log-likelihood loss for node BC is 0.871718.
## > log-likelihood loss for node Mass is 0.558205.
## > log-likelihood loss for node AD is 0.364495.
## > log-likelihood loss for node Metastasis is 0.127872.
## > log-likelihood loss for node MC is 0.353685.
## > log-likelihood loss for node Size is 0.332463.
## > log-likelihood loss for node Shape is 0.301827.
## > log-likelihood loss for node FibrTissueDev is 0.642236.
## > log-likelihood loss for node LymphNodes is 0.332941.
## > log-likelihood loss for node SkinRetract is 0.428725.
## > log-likelihood loss for node NippleDischarge is 0.419254.
## > log-likelihood loss for node Spiculation is 0.509892.
## > log-likelihood loss for node Margin is 0.168618.
## @ total loss is 9.028606 .
```

```

## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.033977.
## > log-likelihood loss for node Location is 1.379484.
## > log-likelihood loss for node Age is 1.206621.
## > log-likelihood loss for node BC is 0.866773.
## > log-likelihood loss for node Mass is 0.571413.
## > log-likelihood loss for node AD is 0.399776.
## > log-likelihood loss for node Metastasis is 0.138560.
## > log-likelihood loss for node MC is 0.343679.
## > log-likelihood loss for node Size is 0.358865.
## > log-likelihood loss for node Shape is 0.313509.
## > log-likelihood loss for node FibrTissueDev is 0.625263.
## > log-likelihood loss for node LymphNodes is 0.339830.
## > log-likelihood loss for node SkinRetract is 0.426598.
## > log-likelihood loss for node NippleDischarge is 0.445079.
## > log-likelihood loss for node Spiculation is 0.474670.
## > log-likelihood loss for node Margin is 0.197217.
## @ total loss is 9.121313 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.016234.
## > log-likelihood loss for node Location is 1.384000.
## > log-likelihood loss for node Age is 1.207468.
## > log-likelihood loss for node BC is 0.867267.
## > log-likelihood loss for node Mass is 0.563447.
## > log-likelihood loss for node AD is 0.356436.
## > log-likelihood loss for node Metastasis is 0.145616.
## > log-likelihood loss for node MC is 0.335520.
## > log-likelihood loss for node Size is 0.342909.
## > log-likelihood loss for node Shape is 0.328932.
## > log-likelihood loss for node FibrTissueDev is 0.641469.
## > log-likelihood loss for node LymphNodes is 0.347673.
## > log-likelihood loss for node SkinRetract is 0.424056.
## > log-likelihood loss for node NippleDischarge is 0.442624.
## > log-likelihood loss for node Spiculation is 0.495071.
## > log-likelihood loss for node Margin is 0.181371.
## @ total loss is 9.080093 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.029002.
## > log-likelihood loss for node Location is 1.382629.
## > log-likelihood loss for node Age is 1.211219.
## > log-likelihood loss for node BC is 0.876746.
## > log-likelihood loss for node Mass is 0.568411.
## > log-likelihood loss for node AD is 0.359373.
## > log-likelihood loss for node Metastasis is 0.128843.
## > log-likelihood loss for node MC is 0.334368.
## > log-likelihood loss for node Size is 0.355771.
## > log-likelihood loss for node Shape is 0.309850.
## > log-likelihood loss for node FibrTissueDev is 0.624260.

```

```

## > log-likelihood loss for node LymphNodes is 0.365184.
## > log-likelihood loss for node SkinRetract is 0.435986.
## > log-likelihood loss for node NippleDischarge is 0.425691.
## > log-likelihood loss for node Spiculation is 0.474202.
## > log-likelihood loss for node Margin is 0.165899.
## @ total loss is 9.047435 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.028022.
## > log-likelihood loss for node Location is 1.382318.
## > log-likelihood loss for node Age is 1.231995.
## > log-likelihood loss for node BC is 0.843704.
## > log-likelihood loss for node Mass is 0.550439.
## > log-likelihood loss for node AD is 0.385487.
## > log-likelihood loss for node Metastasis is 0.148081.
## > log-likelihood loss for node MC is 0.353395.
## > log-likelihood loss for node Size is 0.334094.
## > log-likelihood loss for node Shape is 0.287615.
## > log-likelihood loss for node FibrTissueDev is 0.637738.
## > log-likelihood loss for node LymphNodes is 0.352085.
## > log-likelihood loss for node SkinRetract is 0.452968.
## > log-likelihood loss for node NippleDischarge is 0.420431.
## > log-likelihood loss for node Spiculation is 0.470118.
## > log-likelihood loss for node Margin is 0.164146.
## @ total loss is 9.042633 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.038228.
## > log-likelihood loss for node Location is 1.385197.
## > log-likelihood loss for node Age is 1.209743.
## > log-likelihood loss for node BC is 0.850499.
## > log-likelihood loss for node Mass is 0.570395.
## > log-likelihood loss for node AD is 0.379295.
## > log-likelihood loss for node Metastasis is 0.142859.
## > log-likelihood loss for node MC is 0.351237.
## > log-likelihood loss for node Size is 0.334331.
## > log-likelihood loss for node Shape is 0.291664.
## > log-likelihood loss for node FibrTissueDev is 0.635486.
## > log-likelihood loss for node LymphNodes is 0.330478.
## > log-likelihood loss for node SkinRetract is 0.445779.
## > log-likelihood loss for node NippleDischarge is 0.427793.
## > log-likelihood loss for node Spiculation is 0.471017.
## > log-likelihood loss for node Margin is 0.175680.
## @ total loss is 9.039681 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.021200.
## > log-likelihood loss for node Location is 1.383945.
## > log-likelihood loss for node Age is 1.210141.
## > log-likelihood loss for node BC is 0.865670.
## > log-likelihood loss for node Mass is 0.596426.

```

```

## > log-likelihood loss for node AD is 0.381613.
## > log-likelihood loss for node Metastasis is 0.145536.
## > log-likelihood loss for node MC is 0.335588.
## > log-likelihood loss for node Size is 0.349817.
## > log-likelihood loss for node Shape is 0.305478.
## > log-likelihood loss for node FibrTissueDev is 0.634805.
## > log-likelihood loss for node LymphNodes is 0.347218.
## > log-likelihood loss for node SkinRetract is 0.449045.
## > log-likelihood loss for node NippleDischarge is 0.435177.
## > log-likelihood loss for node Spiculation is 0.492143.
## > log-likelihood loss for node Margin is 0.174433.
## @ total loss is 9.128236 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.042566.
## > log-likelihood loss for node Location is 1.383412.
## > log-likelihood loss for node Age is 1.211938.
## > log-likelihood loss for node BC is 0.840373.
## > log-likelihood loss for node Mass is 0.561392.
## > log-likelihood loss for node AD is 0.371731.
## > log-likelihood loss for node Metastasis is 0.124461.
## > log-likelihood loss for node MC is 0.323418.
## > log-likelihood loss for node Size is 0.324547.
## > log-likelihood loss for node Shape is 0.307674.
## > log-likelihood loss for node FibrTissueDev is 0.641973.
## > log-likelihood loss for node LymphNodes is 0.334497.
## > log-likelihood loss for node SkinRetract is 0.441248.
## > log-likelihood loss for node NippleDischarge is 0.432658.
## > log-likelihood loss for node Spiculation is 0.477026.
## > log-likelihood loss for node Margin is 0.178172.
## @ total loss is 8.997087 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > log-likelihood loss for node BreastDensity is 1.026414.
## > log-likelihood loss for node Location is 1.381599.
## > log-likelihood loss for node Age is 1.223409.
## > log-likelihood loss for node BC is 0.853779.
## > log-likelihood loss for node Mass is 0.544816.
## > log-likelihood loss for node AD is 0.380025.
## > log-likelihood loss for node Metastasis is 0.143291.
## > log-likelihood loss for node MC is 0.344351.
## > log-likelihood loss for node Size is 0.344170.
## > log-likelihood loss for node Shape is 0.296778.
## > log-likelihood loss for node FibrTissueDev is 0.624222.
## > log-likelihood loss for node LymphNodes is 0.350545.
## > log-likelihood loss for node SkinRetract is 0.422709.
## > log-likelihood loss for node NippleDischarge is 0.423236.
## > log-likelihood loss for node Spiculation is 0.486101.
## > log-likelihood loss for node Margin is 0.173377.
## @ total loss is 9.018822 .
## -----
## * summary of the observed values for the loss function:

```



```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##      8.997   9.031   9.045   9.055   9.072   9.128
```

```
bncv
```

```
##
## k-fold cross-validation for Bayesian networks
##
## target network structure:
## [BreastDensity] [Age] [BC|Age] [Location|BC] [Mass|BreastDensity:BC] [AD|BC]
## [Metastasis|BC] [MC|BC] [Size|Mass] [Shape|Mass] [FibrTissueDev|AD]
## [LymphNodes|Metastasis] [SkinRetract|BC:FibrTissueDev]
## [NippleDischarge|BC:FibrTissueDev] [Spiculation|FibrTissueDev]
## [Margin|Mass:Spiculation]
## number of subsets:                10
## loss function:                    Log-Likelihood Loss (disc.)
## expected loss:                    9.055215
```

```
nbncv <- bn.cv(a,netnb,loss="pred",loss.args = list(target="BC"),debug=T)
```

```
## * splitting 20000 data in 10 subsets.
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.139 .
## @ total loss is 0.139 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.134 .
## @ total loss is 0.134 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.1425 .
## @ total loss is 0.1425 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.1385 .
## @ total loss is 0.1385 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.146 .
## @ total loss is 0.146 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.1275 .
## @ total loss is 0.1275 .
## -----
## * fitting the parameters of the network from the training sample.
```

```

## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.146 .
## @ total loss is 0.146 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.144 .
## @ total loss is 0.144 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.1345 .
## @ total loss is 0.1345 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.1345 .
## @ total loss is 0.1345 .
## -----
## * summary of the observed values for the loss function:
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.1275 0.1345 0.1388 0.1386 0.1436 0.1460

```

```
nbncv
```

```

##
## k-fold cross-validation for Bayesian networks
##
## target network structure:
## [Naive Bayes Classifier]
## number of subsets:          10
## loss function:              Classification Error
## training node:              BC
## expected loss:              0.13865

```

```
bncv <- bn.cv(a,BC_cbl,loss="pred",loss.args = list(target="BC"),debug=T)
```

```

## * splitting 20000 data in 10 subsets.
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3965 .
## @ total loss is 0.3965 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3815 .
## @ total loss is 0.3815 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.376 .
## @ total loss is 0.376 .

```

```

## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.374 .
## @ total loss is 0.374 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3815 .
## @ total loss is 0.3815 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.375 .
## @ total loss is 0.375 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3785 .
## @ total loss is 0.3785 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.362 .
## @ total loss is 0.362 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.38 .
## @ total loss is 0.38 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3755 .
## @ total loss is 0.3755 .
## -----
## * summary of the observed values for the loss function:
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.3620 0.3751 0.3772 0.3780 0.3811 0.3965

```

```
bncv
```

```

##
## k-fold cross-validation for Bayesian networks
##
## target network structure:
## [BreastDensity] [Age] [BC|Age] [Location|BC] [Mass|BreastDensity:BC] [AD|BC]
## [Metastasis|BC] [MC|BC] [Size|Mass] [Shape|Mass] [FibrTissueDev|AD]
## [LymphNodes|Metastasis] [SkinRetract|BC:FibrTissueDev]
## [NippleDischarge|BC:FibrTissueDev] [Spiculation|FibrTissueDev]
## [Margin|Mass:Spiculation]
## number of subsets:                10
## loss function:                    Classification Error
## training node:                    BC

```

```
## expected loss: 0.37805
```

Read in manually constructed network:

```
manual = read.net("bc.net")
```

```
#manual
```

```
#manNet = bn.fit(manual,a)
```

```
names(manual)
```

```
## [1] "MC"           "Spiculation"  "Location"
## [4] "Age"          "LymphNodes"  "SkinRetract"
## [7] "Shape"        "Size"         "BC"
## [10] "FibrTissueDev" "BreastDensity" "Margin"
## [13] "NippleDischarge" "AD"          "Metastasis"
## [16] "Mass"
```

```
names(BC_cbl)
```

```
## [1] "learning" "nodes"     "arcs"
```

```
typeof(manual)
```

```
## [1] "list"
```

```
typeof(BC_cbl)
```

```
## [1] "list"
```

```
test <- bn.net(manual)
```

```
plot(test)
```

```
bncv <- bn.cv(a,test,loss="pred",loss.args = list(target="BC"),debug=T)
```

```
## * splitting 20000 data in 10 subsets.
```

```
## -----
```

```
## * fitting the parameters of the network from the training sample.
```

```
## * applying the loss function to the data from the test sample.
```

```
## > classification error for node BC is 0.3675 .
```

```
## @ total loss is 0.3675 .
```

```
## -----
```

```
## * fitting the parameters of the network from the training sample.
```

```
## * applying the loss function to the data from the test sample.
```

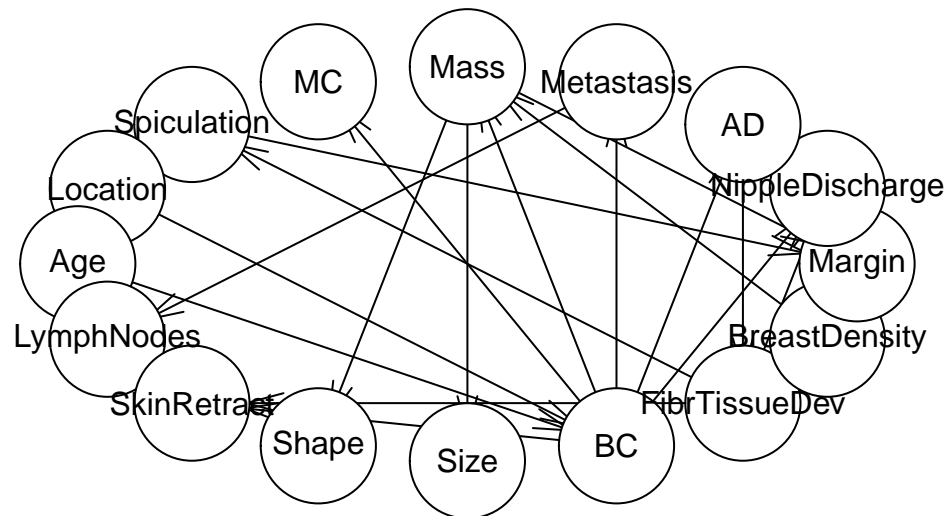
```
## > classification error for node BC is 0.3785 .
```

```
## @ total loss is 0.3785 .
```

```
## -----
```

```
## * fitting the parameters of the network from the training sample.
```

```
## * applying the loss function to the data from the test sample.
```



```
## > classification error for node BC is 0.3765 .
## @ total loss is 0.3765 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3655 .
## @ total loss is 0.3655 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.366 .
## @ total loss is 0.366 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3825 .
## @ total loss is 0.3825 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3835 .
## @ total loss is 0.3835 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
```

```
## > classification error for node BC is 0.3855 .
## @ total loss is 0.3855 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3835 .
## @ total loss is 0.3835 .
## -----
## * fitting the parameters of the network from the training sample.
## * applying the loss function to the data from the test sample.
## > classification error for node BC is 0.3915 .
## @ total loss is 0.3915 .
## -----
## * summary of the observed values for the loss function:
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.3655 0.3698 0.3805 0.3780 0.3835 0.3915

#manbncv <- bn.cv(a,manual,loss="logl",loss.args = list(target="BC"),debug=T)
#manbncv
```

library(ROCR), ¹ [?] Sing et al. (2005)

5 Attachment A

5.1 Iris dataset

5.1.1 other discretizations:

```
NewIris <- discretize(iris, method = 'interval', breaks = 3, ibreaks = 3)

## Warning in check.unused.args(extra.args,
## discretization.extra.args[[method]]): unused argument(s): ibreaks

NewIris1 <- discretize(iris, method = 'interval', breaks = 100, ibreaks = 10)

## Warning in check.unused.args(extra.args,
## discretization.extra.args[[method]]): unused argument(s): ibreaks

NewIrisNetHc <- tabu(NewIris)
NewIrisNetGs <- iamb(NewIris)

NewIrisNetHc

##
## Bayesian network learned via Score-based methods
##
## model:
```

¹Tobias Sing, Oliver Sander, Niko Beerenwinkel, Thomas Lengauer. ROCR: visualizing classifier performance in R. Bioinformatics 21(20):3940-3941 (2005).

```
##      [Sepal.Width] [Petal.Width|Sepal.Width] [Species|Petal.Width]
##      [Petal.Length|Species] [Sepal.Length|Petal.Length]
## nodes:                                     5
## arcs:                                     4
##   undirected arcs:                         0
##   directed arcs:                           4
## average markov blanket size:               1.60
## average neighbourhood size:                1.60
## average branching factor:                  0.80
##
## learning algorithm:                        Tabu Search
## score:                                    BIC (disc.)
## penalization coefficient:                  2.505318
## tests used in the learning procedure:     114
## optimized:                                TRUE
```

```
NewIrisNetGs
```

```
##
## Bayesian network learned via Constraint-based methods
##
## model:
##   [undirected graph]
## nodes:                                     5
## arcs:                                     2
##   undirected arcs:                         2
##   directed arcs:                           0
## average markov blanket size:               0.80
## average neighbourhood size:                0.80
## average branching factor:                  0.00
##
## learning algorithm:                        IAMB
## conditional independence test:              Mutual Information (disc.)
## alpha threshold:                           0.05
## tests used in the learning procedure:      32
## optimized:                                TRUE
```

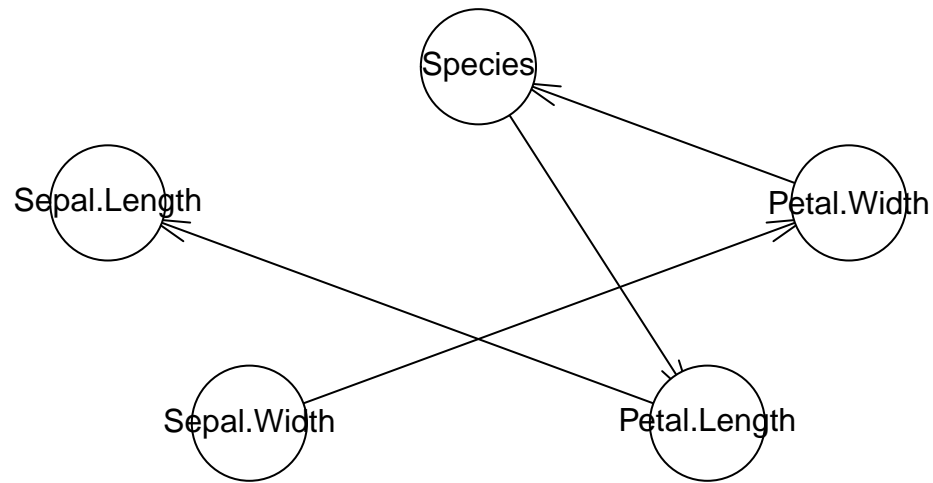
```
plot(NewIrisNetHc)
```

```
plot(NewIrisNetGs)
```

```
NewIrisNetHc1 <- tabu(NewIris)
NewIrisNetGs1 <- iamb(NewIris)
```

```
NewIrisNetHc1
```

```
##
## Bayesian network learned via Score-based methods
##
## model:
##      [Sepal.Width] [Petal.Width|Sepal.Width] [Species|Petal.Width]
```



```

##      [Petal.Length|Species] [Sepal.Length|Petal.Length]
## nodes:                      5
## arcs:                       4
##   undirected arcs:         0
##   directed arcs:          4
## average markov blanket size: 1.60
## average neighbourhood size: 1.60
## average branching factor:   0.80
##
## learning algorithm:        Tabu Search
## score:                     BIC (disc.)
## penalization coefficient:   2.505318
## tests used in the learning procedure: 114
## optimized:                 TRUE

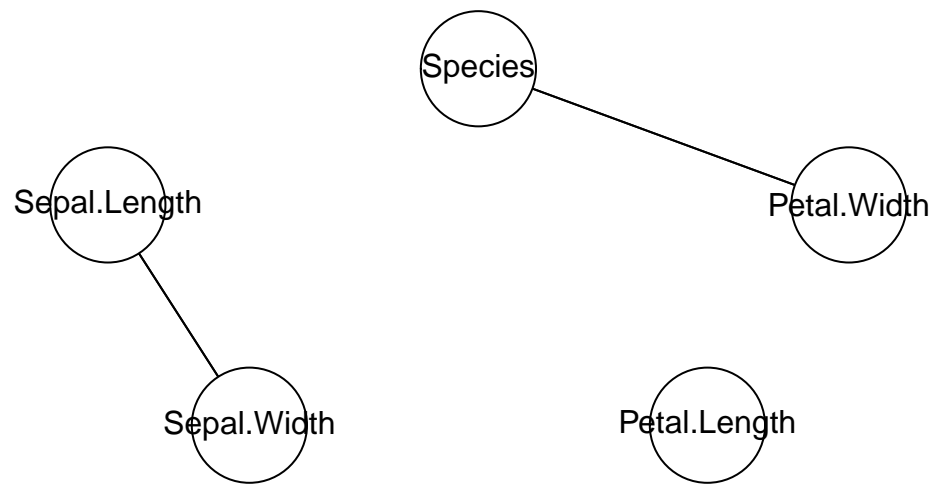
```

NewIrisNetGs1

```

##
## Bayesian network learned via Constraint-based methods
##
## model:
##   [undirected graph]
## nodes:                      5
## arcs:                       2
##   undirected arcs:         2

```

```

##      directed arcs:                0
##      average markov blanket size:  0.80
##      average neighbourhood size:    0.80
##      average branching factor:      0.00
##
##      learning algorithm:            IAMB
##      conditional independence test:  Mutual Information (disc.)
##      alpha threshold:               0.05
##      tests used in the learning procedure: 32
##      optimized:                     TRUE

```

5.1.2 Values of hartemink

```

for( bins in c(3,5,7)){
  tmp=discretize(iris[-5], method = 'hartemink',ibreaks=bins)
  NewIris = cbind(tmp,iris[5])

  IrisNetsb <- tabu(NewIris)

  print(IrisNetsb)
}

```

```
##
```

```

## Bayesian network learned via Score-based methods
##
## model:
##   [Sepal.Width] [Petal.Width|Sepal.Width] [Species|Petal.Width]
##   [Petal.Length|Species] [Sepal.Length|Petal.Length]
## nodes:                                     5
## arcs:                                     4
##   undirected arcs:                         0
##   directed arcs:                           4
## average markov blanket size:               1.60
## average neighbourhood size:                1.60
## average branching factor:                  0.80
##
## learning algorithm:                       Tabu Search
## score:                                    BIC (disc.)
## penalization coefficient:                  2.505318
## tests used in the learning procedure:     106
## optimized:                                TRUE
##
## Bayesian network learned via Score-based methods
##
## model:
##   [Sepal.Length] [Petal.Length|Sepal.Length] [Petal.Width|Petal.Length]
##   [Species|Petal.Width] [Sepal.Width|Species]
## nodes:                                     5
## arcs:                                     4
##   undirected arcs:                         0
##   directed arcs:                           4
## average markov blanket size:               1.60
## average neighbourhood size:                1.60
## average branching factor:                  0.80
##
## learning algorithm:                       Tabu Search
## score:                                    BIC (disc.)
## penalization coefficient:                  2.505318
## tests used in the learning procedure:     106
## optimized:                                TRUE
##
## Bayesian network learned via Score-based methods
##
## model:
##   [Sepal.Length] [Petal.Length|Sepal.Length] [Petal.Width|Petal.Length]
##   [Sepal.Width|Petal.Width] [Species|Petal.Width]
## nodes:                                     5
## arcs:                                     4
##   undirected arcs:                         0
##   directed arcs:                           4
## average markov blanket size:               1.60
## average neighbourhood size:                1.60
## average branching factor:                  0.80
##
## learning algorithm:                       Tabu Search

```

```
## score: BIC (disc.)
## penalization coefficient: 2.505318
## tests used in the learning procedure: 114
## optimized: TRUE
```

```
for( bins in c(3,5,7)){
tmp=discretize(iris[-5], method = 'hartemink',ibreaks=bins)
NewIris = cbind(tmp,iris[5])

IrisNetcb <- iamb(NewIris)

print(IrisNetcb)
}
```

```
##
## Bayesian network learned via Constraint-based methods
##
## model:
## [undirected graph]
## nodes: 5
## arcs: 2
## undirected arcs: 2
## directed arcs: 0
## average markov blanket size: 0.80
## average neighbourhood size: 0.80
## average branching factor: 0.00
##
## learning algorithm: IAMB
## conditional independence test: Mutual Information (disc.)
## alpha threshold: 0.05
## tests used in the learning procedure: 33
## optimized: TRUE
##
## Bayesian network learned via Constraint-based methods
##
## model:
## [undirected graph]
## nodes: 5
## arcs: 4
## undirected arcs: 4
## directed arcs: 0
## average markov blanket size: 1.60
## average neighbourhood size: 1.60
## average branching factor: 0.00
##
## learning algorithm: IAMB
## conditional independence test: Mutual Information (disc.)
## alpha threshold: 0.05
## tests used in the learning procedure: 42
## optimized: TRUE
##
## Bayesian network learned via Constraint-based methods
```

```
##
## model:
##   [partially directed graph]
## nodes:                        5
## arcs:                         3
##   undirected arcs:           1
##   directed arcs:             2
## average markov blanket size:  1.60
## average neighbourhood size:   1.20
## average branching factor:     0.40
##
## learning algorithm:           IAMB
## conditional independence test: Mutual Information (disc.)
## alpha threshold:              0.05
## tests used in the learning procedure: 36
## optimized:                    TRUE
```

5.2 BC Dataset

5.2.1 values depending on size

```
for(part in c(1,2,10)){
  ind = sample(1:(nrow(a)/part))
  BC <- a[ind,]

  BC_cbl <- tabu(BC)

  print(BC_cbl)
}
```

```
##
## Bayesian network learned via Score-based methods
##
## model:
##   [BreastDensity] [Age] [BC|Age] [Location|BC] [Mass|BreastDensity:BC] [AD|BC]
##   [Metastasis|BC] [MC|BC] [Size|Mass] [Shape|Mass] [FibrTissueDev|AD]
##   [LymphNodes|Metastasis] [SkinRetract|BC:FibrTissueDev]
##   [NippleDischarge|BC:FibrTissueDev] [Spiculation|FibrTissueDev]
##   [Margin|Mass:Spiculation]
## nodes:                        16
## arcs:                         18
##   undirected arcs:           0
##   directed arcs:             18
## average markov blanket size:  2.62
## average neighbourhood size:   2.25
## average branching factor:     1.12
##
## learning algorithm:           Tabu Search
## score:                        BIC (disc.)
## penalization coefficient:     4.951744
## tests used in the learning procedure: 960
## optimized:                    TRUE
```

```

##
##
## Bayesian network learned via Score-based methods
##
## model:
## [BreastDensity] [Age] [BC|Age] [Location|BC] [Mass|BreastDensity:BC] [AD|BC]
## [Metastasis|BC] [MC|BC] [Size|Mass] [Shape|Mass] [FibrTissueDev|AD]
## [LymphNodes|Metastasis] [SkinRetract|BC:FibrTissueDev]
## [NippleDischarge|BC:FibrTissueDev] [Spiculation|FibrTissueDev]
## [Margin|Mass:Spiculation]
## nodes: 16
## arcs: 18
## undirected arcs: 0
## directed arcs: 18
## average markov blanket size: 2.62
## average neighbourhood size: 2.25
## average branching factor: 1.12
##
## learning algorithm: Tabu Search
## score: BIC (disc.)
## penalization coefficient: 4.60517
## tests used in the learning procedure: 960
## optimized: TRUE
##
## Bayesian network learned via Score-based methods
##
## model:
## [BreastDensity] [Location] [FibrTissueDev] [NippleDischarge|FibrTissueDev]
## [Spiculation|FibrTissueDev] [BC|NippleDischarge] [Age|BC] [Mass|BC]
## [AD|BC:FibrTissueDev] [Metastasis|BC] [MC|BC]
## [SkinRetract|BC:FibrTissueDev] [Size|Mass] [Shape|Mass]
## [LymphNodes|Metastasis] [Margin|Mass:Spiculation]
## nodes: 16
## arcs: 16
## undirected arcs: 0
## directed arcs: 16
## average markov blanket size: 2.25
## average neighbourhood size: 2.00
## average branching factor: 1.00
##
## learning algorithm: Tabu Search
## score: BIC (disc.)
## penalization coefficient: 3.800451
## tests used in the learning procedure: 641
## optimized: TRUE

for(part in c(1,2,10)){
  ind = sample(1:(nrow(a)/part))
  BC <- a[ind,]

  BC_sbl <- iamb(BC)
  print(BC_sbl)
}

```

```
}
```

```
##
## Bayesian network learned via Constraint-based methods
##
## model:
##   [partially directed graph]
## nodes:                               16
## arcs:                                13
##   undirected arcs:                    7
##   directed arcs:                      6
## average markov blanket size:          2.12
## average neighbourhood size:           1.62
## average branching factor:             0.38
##
## learning algorithm:                   IAMB
## conditional independence test:         Mutual Information (disc.)
## alpha threshold:                      0.05
## tests used in the learning procedure: 592
## optimized:                           TRUE
##
## Bayesian network learned via Constraint-based methods
##
## model:
##   [partially directed graph]
## nodes:                               16
## arcs:                                13
##   undirected arcs:                    7
##   directed arcs:                      6
## average markov blanket size:          2.12
## average neighbourhood size:           1.62
## average branching factor:             0.38
##
## learning algorithm:                   IAMB
## conditional independence test:         Mutual Information (disc.)
## alpha threshold:                      0.05
## tests used in the learning procedure: 619
## optimized:                           TRUE
##
## Bayesian network learned via Constraint-based methods
##
## model:
##   [partially directed graph]
## nodes:                               16
## arcs:                                12
##   undirected arcs:                    7
##   directed arcs:                      5
## average markov blanket size:          2.00
## average neighbourhood size:           1.50
## average branching factor:             0.31
##
```

```
## learning algorithm: IAMB
## conditional independence test: Mutual Information (disc.)
## alpha threshold: 0.05
## tests used in the learning procedure: 596
## optimized: TRUE
```

5.3 NHL dataset

5.3.1 Values of the networks

INSERTXXX

6 list of figures

List of Figures

7 references

Sing, Tobias, Oliver Sander, Niko Beerenwinkel, and Thomas Lengauer. 2005. "ROCR: visualizing Classifier Performance in R." *Bioinformatics (Oxford, England)* 21 (20): 3940–1. doi:[10.1093/bioinformatics/bti623](https://doi.org/10.1093/bioinformatics/bti623). <http://bioinformatics.oxfordjournals.org/content/21/20/3940.abstract>.