ı foreach TBC model, m do	
2	Specify training and holdout data, T_m and H_m
3	Fit probability model, $f_{m,T}$, using data from T_m
4	Apply model to T_m and H_m : $f_{m,T}(T_m)$ and $f_{m,T}(H_m)$
5	foreach data set $D \in \{T_m, H_m\}$ do
6	foreach cutoff $c \in [500 \text{ point linear grid of } (0,1)]$ do
7	Assign classifications: $class_{m,T,c}(D) = integer(f_{m,T}(D) > c)$
8	Calculate MCC value between the model's response, y_D , and
	the latter classifications:
	$MCC_{m,T,c}(D) = corr(y_D, class_{m,T,c}(D))$
9	foreach Bootstrap iteration, i do
10	Get bootstrapped samples $T_{m,i}^*$ and $H_{m,i}^*$
11	Fit bootstrapped probability model, $f_{m,T,i}^*$, using bootstrapped
	data from $T_{m,i}^*$
12	Apply bootstrapped model to original data and bootstrapped
	samples: $f_{m,T,i}^*(T_m)$, $f_{m,T,i}^*(H_m)$, $f_{m,T,i}^*(T_{m,i}^*)$, $f_{m,T,i}^*(H_{m,i}^*)$
13	for each data set $D \in \{T_m, H_m, T_{m,i}^*, H_{m,i}^*\}$ do
14	foreach cutoff $c \in [500 \text{ point linear grid of } (0,1)]$ do
15	Assign bootstrapped classifications:
	$class_{m,T,i,c}^{*}(D) = integer(f_{m,T,i}^{*}(D) > c)$
16	Calculate bootstrapped MCC value between the model's
	response, y_D , and the latter classifications:
	$MCC_{m,T,i,c}^*(D) = corr(y_D, class_{m,T,i,c}^*(D))$
17	foreach original data $D \in \{T_m, H_m\}$ and bootstrapped sample $D^* \in \{T^*, H^*\}$ do
18	$D^* \in \{T_{m,i}^*, H_{m,i}^*\}$ do foreach cutoff $c \in [500 \text{ point linear grid of } (0,1)]$ do
19	Calculate bootstrapped optimism for MCC value at cutoff c :
10	$O_{m,T,c}(D) = \mathbf{E}[MCC^*_{m,T,i,c}(D^*) - MCC^*_{m,T,i,c}(D)]$
20	Calculate optimism-corrected MCC value at cutoff c:
	$\widetilde{MCC}_{m,T,c}(D) = MCC_{m,T,c}(D) - O_{m,T,c}(D)$
21	Average MCC values across bootstrapped iterations:
	$\overline{MCC}_{m,T,c}^*(D) = \mathbf{E}[MCC_{m,T,c,i}^*(D)]$
22	Find optimal cutoff, $c_{m,T}^*(D)$, that maximizes mean of
	bootstrapped MCC values: $c_{m,T}^*(D) = \max_{c} \overline{MCC}_{m,T,c}^*(D)$
	$c_{m,T}(D) = \inf_{c} \prod_{c} \bigcup_{m,T,c} D$